

PERSONAL INFORMATION



Luigi Mondello

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SCOPUS PUBLIC PROFILE: <https://www.scopus.com/authid/detail.uri?authorId=7005632150>

Sex Male | Date of birth 27/07/1966 | Nationality Italian

WORK EXPERIENCE

October 17, 2013-February 6, 2018

Deputy for Research (Science and Technology Area) at the University of Messina, Italy.

2005-2013

Member of the Evaluation Board of the University of Messina

November 2008

Scientific confirmation as Full Professor, Scientific-disciplinary sector CHIM/01 "Analytical Chemistry" at the Pharmaco-Chemical Department of the Pharmacy School of the University of Messina, Italy (currently named "Chemical, Biological, Pharmaceutical and Environmental Science" Department).

From November 2005

Appointment as Full Professor, Scientific-disciplinary sector CHIM/01 "Analytical Chemistry" at the Pharmaco-Chemical Department of the Pharmacy School of the University of Messina, Italy.

May 2003

Scientific confirmation as Associate Professor, Scientific-disciplinary sector CHIM/10 "Food Chemistry" at the Pharmaco-Chemical Department of the Pharmacy School of the University of Messina, Italy.

May 2000

Associate Professor, Scientific-disciplinary sector CHIM/10 "Food Chemistry" at the Pharmaco-Chemical Department of the Pharmacy School of the University of Messina, Italy.

February 1999

Scientific confirmation for the three-year period 96/99 for the Scientific-disciplinary sector C09 "Food Chemistry" at the Pharmaco-Chemical Department of the Pharmacy School of the University of Messina, Italy.

February 1996

Assistant Professor, Scientific-disciplinary sector C09 "Food Chemistry" at the Pharmaco-Chemical Department of the Pharmacy School of the University of Messina, Italy.

EDUCATION AND TRAINING

July 1991

Doctor in Chemistry – University of Messina, Italy.

July 1985

High School Diploma "Liceo Scientifico Archimede", Messina, Italy.

April 1993-April 1994

Post-doc at the school of Chemistry, University of Leeds under Prof. Keith Bartle supervision

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

UNDERSTANDING	SPEAKING	WRITING
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	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Communication skills Excellent communication skills gained through my participation to international meetings (1679 conference presentations, among which 232 invited oral presentations as in the annexed document) and through partnerships with international analytical companies (Shimadzu Corporation, Merck Life Science, LECO, Waters, Spectra Analysis Instruments).

Organisational / managerial skills Co-President of the Messina Institute of Technology (MeIT) at the University of Messina. Leadership (currently responsible for a team of more than 30 people and member of the Scientific Committee of Chromaleont s.r.l. a company incubated at the University of Messina until March 10, 2020). Strong organizational skills (short and long-term planning, time optimization, detail orientation and prioritization) as principal investigator in several funded research projects and as member of the organizing committee of several national and international scientific symposia.

Job-related skills Advanced skills in development of analytical instrumentation (prototypes), dedicated software for chemical analysis (ChromSquare software, ChromatoPlus Spectra Software) and spectral libraries (FFNSC Library, LIPIDS Library, Pesticides GC/MS Library). Consulting in the field of Separation Science. Supervision and critical assessment of expert in analytical quality control and method validation procedures (experience gained through my membership in the Committee of the National Accreditation System for the accreditation of laboratories (ACCREDIA), responsible for the Accreditation of more than 100 laboratories).

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Independent user	Independent user

Other skills Sailing, Scuba diving

Driving licence A, B

ADDITIONAL INFORMATION	
MEMBERSHIPS	Since January 2026 – President of the <i>Società Chimica Italiana</i> (SCI), for the three-year period 2026-2028. Since January 2026 - Member of the IFEAT (International Federation of Essential Oils and Aroma Trades) Scientific Expert Group. From January 2025 to December 2025 – President-elect of the <i>Società Chimica Italiana</i> (SCI), for the three-year period 2026-2028. Since January 2025 - Member of the Division of Analytical Chemistry and Division of Food Chemistry of the SCI Since May 2024 – Member of the Future Insight e.V. Association.

	Since July 2023. Member of Sigma Xi, The Scientific Research Honor Society. Since June 2023. Member of the Academy of Science of Bologna Institute (Accademia delle Scienze di Bologna), as Non-Resident Corresponding Academician. Since January 2023 – Committee Member of the Sample Preparation Study Group “The European Chemical Society-Division of Analytical Chemistry (EuChemS-DAC)”. Since June 2022 - European Chemical Society (EuChemS) Division of Analytical Chemistry (DAC) delegate of the Division of Analytical Chemistry of the Italian Chemical Society (SCI). January 2022 – December 2024. President of the Division of Analytical Chemistry of the Italian Chemistry Society (SCI), three years term (2022-2024). Since January 2021 - Member of the Scientific Committee of the European Industrial Hemp Association (EIHA). January 2019 – December 2021. Vice-President of the Division of Analytical Chemistry of the Italian Chemistry Society (SCI) three years term (2020-2021). Since October 2019. Member of the Group WG2. Automation, innovation and Entrepreneurships of the Sample Preparation Study Group “The European Chemical Society-Division of Analytical Chemistry (EuChemS-DAC)”. January 2016 December 2018 - President of the Interdivisional Separation Science Group of the Italian Chemistry Society (SCI) three years term (2026-2018). Since 2013 - Member of the Teaching Board of the Doctorate Course on “Chemistry Sciences” Chemistry and Pharmaceutical, Nutraceutical and Food Technologies”.at University of Messina, Italy. From 2003 to 2013 – Coordinator of the PhD school on “Food Chemistry and Safety at University of Messina, Italy”. From January 2003 to December 2008 - Member of the Directory Board of the Interdivisional Separation Science Group of the Italian Chemistry Society three years term (2003-2005). Member of the Scientific Committee of the “Istituto Internacional de Cromatografia (IIC)”, Sao Paulo, Brazil. Member of the Expert Group of “Chromedia” (Chromatography Knowledge Base). 2007-2022. Member of the Committee of the National Accreditation System for the accreditation of laboratories (ACCREDIA). Has been Member of the Commission for Biocides of the Italian Ministry of Health.
CONFERENCES PRESENTATIONS	See annexed List of Conference Participations.
PUBLICATIONS	See annexed List of Published Papers.
ACADEMIC TEACHING	Since 2022. Institutional Teaching Duty in the Scientific-disciplinary sector CHIM/01 at the “Chemical, Biological, Pharmaceutical and Environmental Science” Department of the University of Messina (Italy), “Advanced Analytical Techniques Applied to Food Analysis”, for the Degree Course in “Food Science and Human Nutrition” (SANU). From 2006 to 2021. Institutional Teaching Duty in the Scientific-disciplinary sector CHIM/01 at the “Chemical, Biological, Pharmaceutical and Environmental Science” Department (formerly School of Pharmacy) of the University of Messina (Italy), “Analytical Chemistry”, for the Degree Course in “Chemistry and Pharmaceutical Techniques” (CTF). Since 1999. Institutional Teaching Duty in the Scientific-disciplinary sector CHIM/01 at the “Pharmaceutical Chemistry and Health Products” Department (formerly School of Pharmacy) of the University of Messina (Italy), “Analytical Chemistry”, for the Degree Course in “Pharmacy”.

	Academic year 2015/2016. Institutional Teaching Duty in the Scientific-disciplinary sector CHIM/01 at the "Biomedical, Odontoiatric and morphological and functional Sciences" Department of the University of Messina (Italy), "Instrumental Analytical Chemistry", for the Degree Course in "Biotechnology". From 2009 to 2013. Institutional Teaching Duty in the Scientific-disciplinary sector CHIM/01 at the "Pharmaceutical Chemistry and Health Products" Department of the University of Messina (Italy), "Analytical Chemistry", for the Degree Course in "Applied Pharmaceutical Sciences". From 2006 to 2010. Institutional Teaching Duty in the Scientific-disciplinary sector CHIM/01 at the School of Medicine and Surgery of the University of Messina (Italy), "Elements of Instrumental Analytical Chemistry", for the Degree Course in "Mediterranean Enogastronomic Science and Health". From 2008 to 2010. Institutional Teaching Duty in the Scientific-disciplinary sector CHIM/01 at the School of Medicine and Surgery of the University Campus Bio-Medico of Rome (Italy), "Analytical Chemistry", for the Degree Course in "Human Food and Nutrition Sciences". Academic year 2003/2004. Institutional Teaching Duty in the Scientific-disciplinary sector CHIM/10 at the School of Pharmacy of the University of Messina (Italy), "Dietary Products", for the Degree Course in "Pharmacy" and for the Degree Course in "Scientific Information on Drugs". From 2001 to 2009. Institutional Teaching Duty in the Scientific-disciplinary sector CHIM/10 at the School of Medicine and Surgery of the University Campus Bio-Medico of Rome (Italy), "Food Chemistry", for the Degree Course in "Nutrition". Academic year 2008/2009. Institutional Teaching Duty in the Scientific-disciplinary sector CHIM/01 at the School of Medicine and Surgery of the University of Messina (Italy), "Analysis of Biotechnological Products", for the Degree Course in "Health Biotechnologies". From 2000 to 2006. Institutional Teaching Duty in the Scientific-disciplinary sector CHIM/10 at the School of Pharmacy of the University of Messina (Italy), "Food Chemistry", for the Degree Course in "Pharmacy". Academic year 2000/2001. Institutional Teaching Duty at the School of Pharmacy of the University of Messina (Italy), and "Chemistry of Dietary Products", for the Degree Course in "Pharmacy". From 1998 to 2001. Institutional Teaching Duty at the School of Pharmacy of the University of Messina (Italy), "Chemistry of Cosmetic Products", for the Degree Course in "Pharmacy".
HONOURS AND AWARDS	December 2025 – ScholarGPS2025 ranks him 15th and 64th among scientists in the world for careers in gas chromatography and chromatography fields respectively, and 3rd, for the last five years, in chromatography field. September 2025 - Listed in the "World's Top 2% Scientists". August 2025 – listed by The Analytical Scientist Power List" among the top worldwide scientists in for the edition "Leading Voices" December 2024 - Top Italian Scientists. 46/439 listed under the Chemistry section. December 2024 - Listed in the "World's Top 2% Scientists". September 2024 – "Tswiett - Nernst European Award" from the European Tswiett-Nernst Award Board and the Central European Group for Separation Sciences (CEGSS). December 2023 - Listed in the "World's Top 2% Scientists". August 2023 - "The Analytical Scientist Power List" the top ten worldwide scientists in the field of Separation Science and in 2023 in the Top Ten of Leaders and Advocates for the ten years anniversary of the Analytical Science.

	January 2023. Top Italian Scientists. 52/416 in the Chemistry section. December 2021 - "A.J.P. Martin Medal 2022" given from "The Chromatographic Society", "For his outstanding contributions to the advancement of separation science". October 2021 - "The Analytical Scientist Power List" The Top 100 Performers in Analytical Science. October 2020 - "The Analytical Scientist Power List" Around the World in 60 Scientists 10 analytical movers and shakers from each continent. September 2020 – Prof. A. Waksmundzki Medal Award, Presidium of the Committee of the Analytical Chemistry of the Polish Academy of Science and Polish Chemical Society. May 2019 - Herbert J. Dutton Award from the Analytical Division of the AOCS. October 2017 - "The 10 Top 10s of Analytical Science" among the top 10 in Separation Scientists in 2017. September 2017 - "Robert Kellner Lecture Award" from the EucheMS DAC at the Euroanalysis Conference, Stockholm, Sweden. May 2017 - Golay Award presented at the 41st International Symposium on Capillary Chromatography, Forth Worth TX, USA. May 2016 - "Life Time Achievements in Comprehensive Gas Chromatography" presented at the 13th GCxGC Symposium, Riva del Garda (TN), May 30-31, 2016. December 2016 - The Analytical Scientist Innovation Awards (TASIAs). December 2015 - The Analytical Scientist Innovation Awards (TASIAs). October 2015 - "The Analytical Scientist Power List" among the top 100 most influential people in the analytical sciences in 2015. September 2014 - IFEAT Medal by the International Federation of Essential Oils & Aroma Trades. October 2013 - "The Analytical Scientist Power List" among the top 100 most influential people in the analytical sciences in 2013. December 2013 - The Analytical Scientist Innovation Awards (TASIAs). September 2012 – "Liberti Medal" from the Analytical Chemistry Division of the Italian Chemical Society, during the conference of the Analytical Chemistry Division of the Italian Chemical Society Conference in Elba, Italy. October 2008 - COLACRO Medal for his contribution to the development and diffusion of the Chromatographic Techniques. of the "Instituto Internacional de Cromatografia", during the "Congresso Latino-Americano de Cromatografia e Técnicas Relacionadas" held in Florianópolis, Brasil. May 2008 - (Riva del Garda, Italy) was awarded the Silver Jubilee Medal by The Chromatographic Society for his Considerable Contribution to the Development of Separation Sciences. February 2008 – "Award of The Chromatographic Society's Silver Jubilee Medal" given from "The Chromatographic Society", "For the important contribute of the developement of the Separation Sciences". June 2007 – Poster award "Evaluation of the use of a very short micro-bore column segment in very fast gas chromatography" conferito al "Dalian International Symposia and Exhibition on chromatography including 30th ISCC, 4th GCxGC and 16th NISEC", Dalian (Cina), 4-7 Giugno 2007. February 2006 - "HTC-Award for the most outstanding and innovative work in the field of hyphenated chromatographic techniques" received at the "Ninth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers" (HTC-9), York, United
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	Kingdom, 8-10 February, 2006. September 1998 – “Award for the best poster on Application of Chromatography including Electrokinetic Separations Methods”, conferito al “22nd International Symposium on Chromatography”, Roma, 13-18 Settembre 1998. Dicember 1991 – “Le Migliori Idee Imprenditoriali”. Second place for the l'Università degli Studi di Messina.
CHAIRMAN and CONGRESS SCIENTIFIC COMMITTEES	Member of the Organizing Committee of the Conference "Micro and Nanoplastics: Impact, Traceability, Mitigation Strategies" for the Accademia Nazionale Dei Lincei and the "Guido Donegani" Foundation, April 8-9, 2026. Member of the Scientific Committee of the 28th International Symposium on Advances in Extraction Technologies, Gembloux, July 6-9, 2026 (Extech 2026). Member of the Scientific Committee and Symposium Chair of the 44th International Symposium on Capillary Chromatography and 21st GC×GC Symposium, Riva del Garda May 17-22, 2026 Member of the Scientific Committee of the Cannizzaro 2026 International Congress, Palermo, April 14-17, 2026. Member of the Scientific Committee of the 29th edition of the International Symposium on Separation Sciences (ISSS 2025), September 25 – 27, 2025, Belgrade, Serbia. Member of the Scientific Committee of the Phytovalley Conference "5th Austrian Summit on Natural Products" March 16-19, 2025, Seefeld, Tyrol, Austria. Since January 2025 – President of the Permanent Scientific Committee of the International Symposium on Essential Oils (ISEO). Member of the Scientific Committee of the 2024 SFC Conference, Princeton Pike BMS, New Jersey, USA, October 24-25, 2024. Co-Chairman of the “28th International Symposium on Separation Science” (ISSS 2024), Messina, Italy, September 22-25, 2024. Since June 2024 - Member of the Advisory Board of AMYC-BIOMED “Autumn Meeting for Young Chemists in Biomedical Sciences”. Member of the Scientific Committee of the “SPME School II Edizione”, 17-19 Aprile, 2024, PIN - Polo Universitario Città di Prato, Prato, Italy. Member of the Scientific Committee of the “4th MS Forensics 2024: Le indagini forensi ed il contributo della spettrometria di massa 2024”, Polizia di Stato Polo Tuscolano, Rome, Italy, March 21-22, 2024. Member of the Scientific Committee of the Phytovalley Conference "4th Austrian Summit on Natural Products" March 3-6, 2024, Seefeld, Tyrol, Austria. Member of the Scientific Committee of the 27th International Symposium on Separation Sciences, Cluj-Napoca, Romania, September 24-27, 2023. President of the Scientific Committee of the “XXX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana”, Città del Vasto (CH), Italy, September 17-21, 2023. Co-Chairman of the “53rd International Symposium on Essential Oils” (ISEO 2023), Milazzo (ME), Italy, September 13-16, 2023. March 2022 - Member of the Scientific Committee of the 1st Green and Sustainable Analytical Chemistry e-Conference. Chairman of the “XXIX Congresso della Divisione di Chimica Analitica”, Milazzo (ME), Italy, September 11-15, 2022.

	Since January 2021 - Member of the Scientific Committee EIHA: https://eiha.org Member of the Scientific Committee of the "22nd International Symposium on Separation Sciences", Torun, Poland, July 3-6, 2016. Member of the Scientific Committee of the "18th International Symposium on Advances in Extraction Technologies", Torun, Poland, July 3-6, 2016. Chairman of the "41th International Symposium on Capillary Chromatography (ISCC) and the 13th GCxGC Symposium", Riva del Garda (TN), Italy, May 29-June 03, 2016. Member of the Scientific Committee of the "39th International Symposium on Capillary Chromatography (ISCC) and the 12th GCxGC Symposium", Forth Worth (Dallas), USA, May 16-21, 2015. Member of the Scientific Committee of the 20th International Symposium on Separation Sciences, Prague, Czech Republic, August 30-September 02, 2014. Chairman of the "38th International Symposium on Capillary Chromatography (ISCC) and the 11th GCxGC Symposium", Riva del Garda (TN), Italy, May 18-23, 2014. Chairman of "Incontri di Scienza delle Separazioni", Messina, Italy, November 28-29, 2013. Member of the Scientific Committee of the "37th International Symposium on Capillary Chromatography (ISCC) and the 10th GCxGC Symposium", Palm Springs (CA), USA, May 12-16, 2013. Chairman of the "14th International Symposium on Advances in Extraction Technologies" (EXTECH), Messina, Italy, September 24-26, 2012. Chairman of the "36th International Symposium on Capillary Chromatography (ISCC) and the 9th GCxGC Symposium", Riva del Garda (TN), Italy, May 27-June 1, 2012. Member of the Scientific Committee of the "16th International Symposium on Separation Sciences", Rome, Italy, September 6-10, 2010. Member of the Scientific Committee of the "12th International Symposium on Advances in Extraction Technologies" (EXTECH), Poznan, Poland, September 20-22, 2010. Co-chairman of the "34th International Symposium on Capillary Chromatography (ISCC)", Riva del Garda (TN), Italy, May 30-June 04, 2010. Member of the Scientific Committee of the "XII Congresso Nazionale di Chimica dell'Ambiente e dei Beni Culturali", Taormina (ME), Italy, September 26-30, 2010. Member of the Permanent Scientific Committee of the "International Symposium in Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers (HTC)" since the 9th, (2008). Member of the Permanent Scientific Committee of "Latin American Congress on Chromatography" (COLACRO) since the 12nd (from 2008). Member of the Scientific Committee "Enantioseparation '07 Workshop Symposium on Analytical and Preparative Enantio Separation" Ferrara, Italy, April 2-4, 2007. Member of the Permanent Scientific Committee of "Brazilian Symposium on Chromatography and Related Techniques" (SIMCRO) since the 2nd (2006). Member of the Scientific Committee 11th International Symposium on Separation Sciences, Pardubice, Czech Republic, September 12-14, 2005. Member of the Permanent Scientific Committee of "International Symposium on Capillary Chromatography" since the 27th (2004). Member of the Permanent Scientific Committee of "International Symposium on Essential Oils" since the 35th (2004).
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	Chairman of the "35th International Symposium on Essential Oils", Giardini Naxos, Messina, Italy September 29-October 02, 2004.
CONGRESS ORGANIZING COMMITTEES	Member of the Organizing Committee of the Conference "Micro and Nanoplastics: Impact, Traceability, Mitigation Strategies" for the Accademia Nazionale dei Lincei and the "Guido Donegani" Foundation, April 8-9, 2026. Member of the Organizing Committee of the "12th European Conference on Pesticides and Related Organic Micropollutants in the Environment", Almeria, Spain, November 12-14, 2025. Member of the Organizing Committee of the "XXX Congress of the Division of Analytical Chemistry", Vasto (CH), September 17-21, 2023. President of the Organizing Committee of the "XXIX Congresso della Divisione di Chimica Analitica", Milazzo (ME), Italy, September 11-15, 2022. President of the Organizing Committee of the "XXVI Analytical Chemistry Division of the Italian Chemical Society Conference", Giardini Naxos (ME), Italy, September 18-22, 2016. Member of the Organizing Committee of the "35th International Symposium on Essential Oils", Giardini Naxos (ME), Italy September 29-October 02, 2004. Member of the Organizing Committee of the "27th International Symposium on Capillary Chromatography", Riva del Garda (TN), Italy, May, 2004. Member of the Organizing Committee of the "25th International Symposium on Capillary Chromatography", Riva del Garda (TN), Italy, May, 2002. Member of the Organizing Committee of a Course entitled "Corso di HPLC e HPLC/MS" held at the Faculty of Pharmacy, University of Messina, June 19-22, 2000 in collaboration with Prof. Harold McNair, Virginia Tech, Blacksburg, Virginia, USA. Co-author of the Italian version of the teaching book for the course. Member of the Organizing Committee of the "9th International Meeting on Recent Developments in Pharmaceutical Analysis", Lipari (ME), Italy, 3-8 June, 2001. Member of the Organizing Committee of the "23RD International Symposium on Capillary Chromatography", Riva del Garda (TN), Italy, June 5-10, 2000. Member of the Organizing Committee of a Seminar entitled "Metodiche HPLC e HPLC/MS per lo studio di Sostanze Naturali Biologicamente Attive", held at the Faculty of Pharmacy, University of Messina, Italy, March 17, 1999. Member of the Organizing Committee of the "III Congresso Nazionale di Chimica degli Alimenti", Letojanni (ME), Italy, 7-8 October 1998. Member of the Organizing Committee of the congress "Bergamotto 98", Reggio Calabria, Italy, November 30-December 02, 1998. Member of the Organizing Committee of a Course entitled "Corso di Gascromatografia" held at the Faculty of Pharmacy, University of Messina, December 9-12, 1998 in collaboration with Prof. Harold McNair, Virginia Tech, Blacksburg, Virginia, USA. Co-author of the Italian version of the teaching book for the course.
EDITORIAL ACTIVITY	Since March 2021. Editor of Green Analytical Chemistry, Elsevier. October 2018-December 2022. Editor of Analytical and Bioanalytical Chemistry (ABC), Springer. November 2017- September 2018. Editor of "Separation Science Plus", John Wiley-VCH. From January 2016 to February 2020. Editor of Food Analytical Methods, Springer. Since April 2015. Editor in Chief of "Journal of Quality Assurance and Pharma Analysis", Innovational Publishers.

	Since January 2012. Editor in Chief of “Journal of Essential Oil Research”, Taylor & Francis. Editor of the book “Comprehensive Chromatography in Combination with Mass Spectrometry” (Wiley-Interscience Series on Mass Spectrometry), John Wiley & Sons, Ltd, 2011. January 2010-December 2011. Editor in Chief of “Journal of Essential Oil Research”, Allured Publishing. Editor of the book “Citrus oil: Composition, Advanced Analytical Techniques, Contaminants, and Biological Activity”, CRC Press - Taylor & Francis Group, 2011. Associate Editor for a special issue on “Food Chemistry” of the “Journal of Separation Science”, John Wiley & Sons (2009). Associate Editor for a special issue on “Comprehensive Chromatography” of the “Journal of Separation Science”, John Wiley & Sons (2008). Associate Editor for a special issue on “Food Chemistry” of the “Journal of Separation Science”, John Wiley & Sons (2007). August 2006 – September 2018. Associate Editor of “Journal of Separation Science”, John Wiley-VCH. Associate Editor for a special issue on “Food Chemistry” of the “Journal of Separation Science”, John Wiley & Sons (2004). January 2003-December 2010. Associate Editor of “Flavour Fragrance Journal”, John Wiley & Sons, Ltd. Editor of the book “Multidimensional Chromatography”, John Wiley & Sons, Ltd, 2002.
JOURNAL ADVISORY BOARD	Since September 2025. Member of the Advisory Board of “TrAC Trends in Analytical Chemistry”, Elsevier. Since January 2023. Member of the International Advisory Board of Analytical and Bioanalytical Chemistry (ABC), Springer. Since April 2021. Member of the Advisory Board of Advances in Sample Preparation (Elsevier). Since March 2020. Member of the Advisory Board of Food Analytical Methods (Springer). Since August 2017. Member of the Advisory Board of Separations (MDPI). Since September 2016. Member of the Advisory Board of Mass Spectrometry Reviews (Wiley). Since October 2012 Member of the Advisory Board of “The Analytical Scientist” (Texere). Since September 2008. Member of the Advisory Board of “Separation Science”, Europe Edition. Since May 2008. Member of the Advisory Board of “LCGC Europe”, Advanstar. Since January 2008. Member of the Advisory Board of “Scientia Chromatographica”, Istituto Internazionale de Cromatografia (IIC) ed Editora Atomo. February-August 2001. Member of the Advisory Board of “Journal of Microcolumn Separation”, John Wiley & Sons. January 2001-July 2006. Member of the Advisory Board of “Journal of Separation Science”, Wiley-VCH.
BOARDS OF INTERNATIONAL CORPORATIONS OR RESEARCH INSTITUTES	President of the Messina Institute of Technology (MeIT) at the University of Messina President of “The Mediterranean Separation Science Foundation Training and Research Center”.
RESEARCH PROJECTS	Program of Scientific Research of National Interest (PRIN-Bando 2022 Prot. 2022AJA7H8). High revenue-generating molecules from industrial hemp: cost-effective, chemical classification-driven

	solutions for their production (CHempion). Principal Investigator: Prof. Luigi Mondello. Program of Scientific Research of National Interest (PRIN–Bando 2022 PNRR Prot. P2022PTYWP). Design of high-pRofit fostEring bioActive coMpounds through integral valorization of seaWEEDs infesting the MEditerranean sea (DreamWeedMe). Associate Investigator: Prof. Luigi Mondello (Coordinator of the Research Unit). Program of Scientific Research of National Interest (PRIN 2017 prot. 2017Y2PAB8). Cutting Edge Analytical Chemistry Methodologies and Bio-Tools to Boost Precision Medicine in Hormone-Related Diseases. National Coordinator: Prof. Luigi Mondello Program of Scientific Research of National Interest (PRIN 2015 prot. 2015FFY97L). Securing and Ensuring Sustainable use of Agriculture Waste, Co-and BY-Prodcuts: An Integrated Analytical Approach Combining Mass Spectrometry with Health Effect-Based Biosensing). Coordinator of the Research Unit: Prof. Luigi Mondello. Program of Scientific Research of National Interest (PRIN 2012 prot. 2012TLC44W). Assessment of quality and safety of Mediterranean seafoods by “omics” sciences). Coordinator of the Research Unit: Prof. Luigi Mondello. PROGETTO DI POTENZIAMENTO STRUTTURALE dei laboratori dell'Università di Messina per analisi degli alimenti, studio della loro incidenza sulla salute umana e consulenza tecnologica, giuridica ed economica alle aziende agroalimentari (PAN_LAB). PON Ricerca e Competività 2007-2013. PON01_01499. Recupero e valorizzazione dei prodotti di scarto e di trasformazione dell'industria agro-alimentare per lo sviluppo di alimenti funzionali, prodotti cosmeceutici e nutraceutici innovativi. Hi-IFe - Health Products from the Industry of Foods. PON Ricerca e Competività 2007-2013. Obiettivo Operativo 4.1.1.4: Potenziamento delle Strutture e delle Dotazioni Scientifiche e Tecnologiche. Future in Research Program (FIRB RBFR10GSJK). Advanced Analytical Techniques for the Analysis of Contaminants in Food Products. Coordinator of the Research Unit: Prof. Danilo Sciarrobe. Member of the research unit: Prof. Luigi Mondello. PNR BANDO IDEE PROGETTUALI PROGETTO DI RICERCA DI BASE FIRB AREA TEMATICA 9 (PNR 2005-2007) Valorizzazione dei Prodotti dell'Agroalimentare e Sicurezza Alimentare attraverso nuovi Sistemi di Caratterizzazione e Garanzia di Qualità. Sviluppo di Metodiche Innovative per l'Analisi di Prodotti Agroalimentari. Progetto n. RBIP06SXM. National Coordinator: Prof. Luigi Mondello Project with Shimadzu Corporation (Kyoto, Japan): "Technology and Applications System of the Gas Chromatography Instruments, the Gas Chromatography-Mass Spectrometer and Mass Spectra Library". Metodi Cromatografici Avanzati e Innovativi (GC Multidimensionale, GC Ortogonale, GC Ultraveloce, HPLC-API-MS) per l'Analisi di Grassi Alimenatri (PRIN 2004). Research Unit Coordinator: Prof. Luigi Mondello. Lo Sviluppo di un Sistema Innovativo di Interfacciamento in contesti Cromatografici Multidimensionali – Applicazione della Tecnica dell'Analisi Diretta, Quali Quantitativa di Pesticidi. Research project funded by the Campania Region. University Research Project (PRA 2003): "Tecniche e metodi cromatografici ortogonali (GC x GC e LC x LC) per lo studio di matrici complesse". Scientific Responsible: Prof. Giovanni Dugo. HPLC, HPLC/MS e HPLC Ortogonale (LCXLC) per lo studio di matrici lipidiche di interesse alimentare (PRIN 2003). Research Unit Coordinator: Prof. Antonella Cotroneo University Research Project (PRA 2002): "Tecniche Cromatografiche Avanzate per l'Analisi degli Alimenti". Scientific Responsible: Prof. Luigi Mondello. Progetto Operativo Nazionale (PON 2002): "Innovazione dei processi e dei prodotti nella filiera alimentare delle piante officinali". Scientific Responsible: Prof. Rosario Lo Curto. Identificazione dei componenti delle matrici complesse mediante Fast-GC/MS e uso interattivo degli indici di ritenzione lineari. Applicabilità delle tecniche di gascromatografia ultraveloce all'analisi dei
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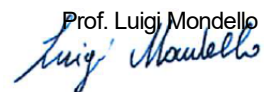
	pesticidi nelle matrici naturali complesse (progetto finanziato dalla Shimadzu. Scientific Responsibles: Prof. Giovanni Dugo and Prof. Luigi Mondello. Metodi Cromatografici Avanzati e Innovativi (GC Multidimensionale, GC Ortogonale, GC Ultraveloce, HPLC-API-MS) per l'Analisi di Grassi Alimenatri (PRIN 2002). Research Unit Coordinator: Prof. Giovanni Dugo Progetto di Ricerca d'Ateneo (PRA 2001): "Tecniche analitiche avanzate per lo studio di sostanze naturali". Scientific Responsible: Prof. Luigi Mondello. Progetto di Ricerca d'Ateneo (PRA 2001): "Sviluppo di metodiche HPLC tradizionali e micro e di metodiche HPLC/Apl/MS per lo studio di matrici complesse". Scientific Responsible: Prof. Giovanni Dugo. Progetto di Ricerca d'Ateneo (PRA 2000): "Tecniche gascromatografiche innovative per lo studio di matrici complesse". Scientific Responsible: Prof. Luigi Mondello. Progetto di Ricerca d'Ateneo (PRA 2000): "Sviluppo di metodiche micro-HPLC per lo studio di matrici complesse". Scientific Responsible: Prof. Giovanni Dugo. Progetto di Ricerca d'Ateneo (PRA 1999): "Sviluppo di metodiche micro-HPLC per lo studio di matrici naturali". Scientific Responsible: Prof. Giovanni Dugo. Research Training Network COM-CHROM (IHP-RTN-00-2): "Miniaturized comprehensive liquid chromatography". Responsible of the Research Unit: Prof. Luigi Mondello. European Community Contract n° ERB BRRT-CT98-5069, Supercritical Fluid Network. Responsible of the Research Unit: Prof. Luigi Mondello. Progetto Operativo Multiregionale (POM 1999): "Deterpenazione degli oli essenziali agrumari con anidride carbonica supercritica e caratterizzazione degli oli essenziali e dei deterpenati mediante HRGC-HRGC/MS e HPLC-HRGC/MS con colonne chirali". Responsible of the Research Unit: Prof. Giovanni Dugo. Valorizzazione dei derivati agrumari e delle piante aromatiche uruguaiani. Progetto di cooperazione con l'Università di Montevideo, coordinato dall'Istituto Italo Latino Americano e finanziato dal Ministero degli Esteri Italiano. Scientific Responsible: Prof. Giovanni Dugo. Valorizzazione degli estratti di piante aromatiche ed officinali reperibili nella Regione Sicilia, ottenuti mediante l'utilizzo di processi di estrazione con fluidi supercritici, e di sottoprodotti dell'industria agrumaria . Progetto finanziato dalla Regione Sicilia. Scientific Responsible: Prof. Giovanni Dugo. Metodi gascromatografici Ultraveloci e Multidimensionali per la Caratterizzazione delle Sostanze Grasse Alimentari (PRIN 1999). Coordinator of the Research Unit: Prof. Giovanni Dugo. University Research Project (PRA 1998): "Caratterizzazione di derivati agrumari". Scientific Responsible: Prof. Giovanni Dugo. University Research Project (PRA 1997): "Caratterizzazione degli oli essenziali agrumari mediante an. OPLC". Scientific Responsible: Prof. Ildefonsa Stagno d'Alcontres. Metodologie Analitiche Strumentali Applicative (PRIN 1996). Coordinator of the Research Unit: Prof. Giovanni Dugo. University Research Project (PRA 1995): "Caratterizzazione degli Oli Essenziali Agrumari mediante OPLC". Scientific Responsible: Prof. Ildefonsa Stagno d'Alcontres. Metodologie Analitiche Strumentali ed Applicative (PRIN 1995). Coordinator of the Research Unit: Prof. Giovanni Dugo. University Research Project (PRA 1995): "Caratterizzazione di Derivati Agrumari". Scientific Responsible: Prof. Giovanni Dugo. Metodologie Analitiche Applicate e Strumentali (PRIN 1994). Coordinator of the Research Unit: prof. Giovanni Dugo.
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REVIEWER ACTIVITY	Acta Physiologiae Plantarum Analyst Analytica Chimica Acta Analytical and Bioanalytical Chemistry Analytical Chemistry Analytical Chemistry Insight Analytical Letters Analytical Methods AOAC International Central European Journal of Chemistry ChemComm Chemosphere Chirality Chromatographia Comprehensive Review in Food Science Critical Review in Analytical Chemistry Current Research in Food Science Drug Discovery Today Electrophoresis Energy & Fuels Environmental Pollution European Journal of Lipid Science and Technology Flavour & Fragrance Journal Food Analytical Methods Food Biophysic Food Chemistry Foodcont Food Science and Technology Green Analytical Chemistry International Journal of Environmental Analytical Chemistry Journal of Agricultural and Food Chemistry Journal of the American Oil Chemists Society Journal of the Brazilian Chemical Society Journal of Cereal Science Journal of Chromatographic Science Journal of Chromatography A Journal of Chromatography B Journal of Essential Oil Research Journal of Food Biochemistry Journal of Food Composition Journal of Green Pharmacy Journal of Liquid Chromatography and Related Technologies Journal of Mass Spectrometry Journal of Mass Spectrometry and Advances in the Clinical Lab Journal of Microcolumn Separations Journal of Industrial and Engineering Chemistry Journal of Pharmaceutical and Biomedical Analysis Journal of Proteome Research Journal of Separation Science LC GC Europe Mass Spectrometry Reviews Metabolomics Phytochemical Analysis Phytochemistry Rapid Communications in Mass Spectrometry RSC Advances Science of the Total Environment Talanta Tetrahedron Letters Trends in Analytical Chemistry Vibrational Spectroscopy

CITATIONS AND METRICS	Up to November 13, 2025, has downloaded from Web of Science (Clarivate) he has got 618 documents (733 Scopus), 17.625 times cited (21.117 Scopus, 29,578 Google Scholar), a h-index of 64 (69 Scopus database and 83 Google Scholar). Up to November 13, 2025, he has a total impact factor of 2634 (IF 2024).
PATENTS	Up to December 15, 2025, he is inventor of 27 granted, national and PCTs patents. Up to December 15, 2025, he is inventor of 18 pending PCTs patents.
ANNEXES	List of Published Papers List of Conference Participations List of Patents

Messina, 07/01/2026

Prof. Luigi Mondello



No.	LIST OF PUBLISHED PAPERS	I.F. 2024
1	Eduardo Dellacassa, Carmen Rossini, Patrick Moyna, Ildefonsa Stagno d'Alcontres, Luigi Mondello e Giovanni Dugo. Gli olii essenziali dell'Uruguay. Nota II. Primi risultati sulla composizione della frazione volatile dell'olio essenziale di limone. Essenz. Deriv. Agrum. 61(4), 291-304 (1991). Research article	0.00
2	Dugo G., Di Bella G., Cimino G. Mondello L.. Residui di Procimidone in uve prodotte in Sicilia. Valutazione della persistenza nel vino. Riv. Ital. Sci. Alim. 21(4), 455-459(1992). Research article	0.00
3	Luigi Mondello, Ildefonsa Stagno d'Alcontres, Rosa Del Duce, Francesco Crispo. On the Genuineness of Citrus Essential Oils. Part XL. The Composition of the Coumarins and Psoralens of Calabrian Bergamot Essential Oils (Citrus Bergamia Risso). Flavour Frag. J. 8, 17-24 (1993). ISSN 0882-5734 (January 1993, John Wiley & Sons LTD, Devon, England, UK). Research article	2.00
4	L. Mondello, P. Dugo e I. Stagno d'Alcontres. Isolamento di polimetossiflavoni dagli olii essenziali di arancia dolce e di mandarino mediante cromatografia su colonna e HPLC semipreparativa con riciclo. Essenz. Deriv. Agrum. 63(4), 395-406 (1993). Research article	0.00
5	Giovanni Dugo, Antonella Verzera, Ildefonsa Stagno d'Alcontres, Antonella Cotroneo, Alessandra Trozzi, and Luigi Mondello. On The Genuineness of Citrus Essential Oils. Part. XLIII. The Composition of the Volatile Fraction of Italian Sweet Orange Oils (Citrus sinensis (L.) Osbeck). J. Essent. Oil Res. 6, 101-137 (1994). ISSN 1041-2905 (March 1994, Allured Publishing Corporation, Carol Stream, IL, USA). Research article	2.10
6	Paola Dugo, Luigi Mondello, Eugenia Cogliandro, Ildefonsa Stagno d'Alcontres, and Antonella Cotroneo. On the Genuineness of Citrus Essential Oils. Part XLVI. Polymethoxylated Flavones of the Non Volatile Residue of Italian Sweet Orange and Mandarin Essential Oils. Flavour Frag. J., 9, 105-111 (1994). ISSN 0882-5734 (May 1994, John Wiley & Sons LTD, Devon, England, UK). Research article	2.00
7	Giovanni Dugo, Antonella Verzera, Alessandra. Trozzi, Antonella Cotroneo, Luigi Mondello and Keith D. Bartle. Automated HPLC-HRGC: A Powerful Method for Essential Oils Analysis. Part I. Investigation On Enantiomeric Distribution of Monoterpene Alcohols of Lemon and Mandarin Essential Oils. Essenz. Deriv. Agrum. 64(1), 35-44 (1994). Research article	0.00

- 8 Giovanni Dugo, Antonella Verzera, Antonella Cotroneo, Ildefonsa Stagno d'Alcontres, Luigi Mondello, and Keith D. Bartle. 2.00
Automated HPLC-HRGC: A Powerful Method for Essential Oil Analysis. Part II. Determination of the Enantiomeric Distribution of Linalol in Sweet Orange, Bitter Orange and Mandarin Essential Oils. *Flavour Frag. J.* 9, 99-104 (1994). ISSN 0882-5734 (May 1994, John Wiley & Sons LTD, Devon, England, UK).
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- 9 Luigi Mondello, Keith D. Bartle, Giovanni Dugo, and Paola Dugo. 0.00
Automated HPLC-HRGC: A Powerfull Method for Essential Oils Analysis. Part III. Aliphatic and Terpene Aldehydes of Orange Oil. *J. High. Resolut. Chromatogr.* 17, 312-314 (1994). ISSN 0344-7138 (May 1994, Huthig Buch Verlag GmbH, Heidelberg F.R.G.). Research article

- 10 Luigi Mondello, Keith D. Bartle, Paola Dugo, Peter Gans, and Giovanni Dugo. 0.00
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- 12 L. Mondello, P. Dugo, K.D. Bartle, B. Frere, G. Dugo. 1.30
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- 13 Giovanni Dugo, A. Cotroneo, R. Del Duce, M.G. Donato, Giacomo Dugo, P. Dugo, G. Lamonica, G. Licandro, L. Mondello, I. Stagno d'Alcontres, A. Trozzi, and A. Verzera. 0.00
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- 14 Luigi Mondello, Paola Dugo, Keith D. Bartle, Giovanni Dugo, and Antonella Cotroneo. 2.00
Automated HPLC-HRGC: A Powerful Method for Essential Oils Analysis. Part V. *Identification of Terpene Hydrocarbons of Bergamot, Lemon, Mandarin, Sweet Orange, Bitter Orange, Grapefruit, Clementine and Mexican Lime Oils by Coupled HPLC-HRGC-MS(ITD).
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- 16 Luigi Mondello, Paola Dugo, Annamaria Basile, Giovanni Dugo, Keith D. Bartle. 0.00
Interactive Use of Linear Retention Indices, on Polar and Apolar Columns, with a MS-Library for Reliable Identification of Complex Mixtures.
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- 17 Paola Dugo, Luigi Mondello, Eugenia Cogliandro, Antonella Verzera, and Giovanni Dugo. 6.20
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- 18 Luigi Mondello, Paola Dugo, Giovanni Dugo, Keith D. Bartle. 1.30
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- 19 19 Luigi Mondello, Paola Dugo, Antonella Cavazza, Giacomo Dugo. 2.10
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- 20 Paola Dugo, Luigi Mondello, Giuseppe Lamonica, and Giovanni Dugo. 1.10
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- 23 Luigi Mondello, Giovanni Dugo, Paola Dugo, and Keith D. Bartle. 0.00
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- 24 Paola Dugo, Luigi Mondello, Giovanni Dugo, Darren M. Heaton, Keith D. Bartle, 6.20
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- 26 L. Mondello, G. Dugo, and K.D.Bartle. 0.00
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- 27 Luigi Mondello, Annamaria Basile, Pietro Previti, and Giovanni Dugo. Italian Citrus 2.10
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| 28 | <p>28 Luigi Mondello, Antonella Cotroneo, Ildefonsa Stagno d'Alcontres, and Giovanni Dugo.</p> <p>Italian Citrus Petitgrain Oils. Part III. Composition of Sweet Orange Petitgrain Oil.</p> <p>J. Essent. Oil Res. 9, 379-392 (1997). ISSN 1041-2905 (July 1997, Allured Publishing Corporation, Carol Stream, IL,USA).</p> <p>Research article</p> | 2.10 |
| 29 | <p>L. Mondello, A. Cotroneo, and Giovanni Dugo, Paola Dugo.</p> <p>Italian Citrus Petitgrain Oils. Part IV. Composition of Lemon Petitgrain Oil.</p> <p>J. Essent. Oil Res. 9, 495-508 (1997). ISSN 1041-2905 (September 1997, Allured Publishing Corporation, Carol Stream, IL,USA).</p> <p>Research article</p> | 2.10 |
| 30 | <p>Antonella Verzera, Giuseppe Lamonica, Luigi Mondello, Alessandra Trozzi, and Giovanni Dugo.</p> <p>The Composition of Bergamot Oil.</p> <p>Perfumer & Flavorist 21, 19-34 (1997). ISSN 0272-2666 (November 1996, Allured Publishing Corporation, Carol Stream, IL,USA).</p> <p>Research article</p> | 0.00 |
| 31 | <p>Paola Dugo, and Luigi Mondello, Ildefonsa Stagno d'Alcontres, Antonella Cavazza, Giovanni Dugo.</p> <p>Oxygen Heterocyclic Compounds of Citrus Essential Oils.</p> <p>Perfumer & Flavorist 22, 25-30 (1997). ISSN 0272-2666 (January 1997, Allured Publishing Corporation, Carol Stream, IL,USA).</p> <p>Research article</p> | 0.00 |
| 32 | <p>Eduardo Dellacassa, Daniel Lorenzo, Luigi Mondello, and Antonella Cotroneo.</p> <p>Uruguayan Essential Oils. Part VII. Composition of Leaf Oil of <i>Eugenia uruguayensis</i> Camb. var. <i>uruguayensis</i> (Myrtaceae).</p> <p>J. Essent. Oil Res. 9, 295-297 (1997). ISSN 1041-2905 (May 1997, Allured Publishing Corporation, Carol Stream, IL,USA).</p> <p>Research article</p> | 2.10 |
| 33 | <p>Eduardo Dellacassa, Daniel Lorenzo, Luigi Mondello and I. Stagno d'Alcontres.</p> <p>Uruguayan Essential Oils. Part VIII. Composition of Leaf Oil of <i>Hyptis floribunda</i> Brig. ex Micheli (Labiatae).</p> <p>J. Essent. Oil Res. 9, 523-525 (1997). ISSN 1041-2905 (September 1997, Allured Publishing Corporation, Carol Stream, IL,USA).</p> <p>Research article</p> | 2.10 |
| 34 | <p>E. Dellacassa, and Daniel Lorenzo, Luigi Mondello and Paola Dugo.</p> <p>Uruguayan Essential Oils. Part IX. Composition of Leaf Oil of <i>Blepharocalyx tweediei</i> (Hook. et Arn.) Berg. var. <i>tweediei</i> (Myrtaceae).</p> <p>J. Essent. Oil Res. 9, 673-676 (1997). ISSN 1041-2905 (November 1997, Allured Publishing Corporation, Carol Stream, IL,USA).</p> <p>Research article</p> | 2.10 |

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| 35 | <p>Eduardo Dellacassa, Daniel Lorenzo, Patrick Moyna, Antonella Verzera, Luigi Mondello, and Paola. Dugo.</p> <p>Uruguayan Essential Oils. Part. VI. Composition of Lemon Oil.</p> <p>Flavour Frag. J., 12, 247-255 (1997). ISSN 0882-5734 (July 1997, John Wiley & Sons LTD, West Sussex, UK).</p> <p>Research article</p> | 2.00 |
| 36 | <p>Angelo Starrantino, Giorgio Terranova, Paola Dugo, Ivana Bonaccorsi and Luigi Mondello.</p> <p>On the Genuineness of Citrus Essential Oils. Part. II. Chemical Characterization of the Essential Oil of New Hibryds of Lemon obtained in Sicily.</p> <p>Flavour Frag. J. 12, 153-161 (1997). ISSN 0882-5734 (May 1997, John Wiley & Sons LTD, West Sussex UK).</p> <p>Research article</p> | 2.00 |
| 37 | <p>Antonella Verzera, Luigi Mondello, Alessandra Trozzi, and Paola Dugo.</p> <p>On the Genuineness of Citrus Essential Oils. Part. LII. Chemical Characterization of Essential Oil of three Cultivars of Citrus clementine Hort.</p> <p>Flavour Frag. J. 12, 163-172 (1997). ISSN 0882-5734 (May 1997, John Wiley & Sons LTD, West Sussex, UK).</p> <p>Research article</p> | 2.00 |
| 38 | <p>Paola Dugo, Luigi Mondello, Giuseppe Lamonica, and Giovanni Dugo.</p> <p>Characterization of Cold-pressed Key and Persian Lime Oils by GC, GC/MS, HPLC and Physicochemical Indices.</p> <p>J. Agric. Food. Chem. 45, 3608-3616 (1997). ISSN 0021-8561 (September 1997, American Chemical Society, Columbus. OH, USA). Research article</p> | 6.20 |
| 39 | <p>Mondello L., Catalfamo M., Dugo P., Proteggente A.R. e Dugo G.</p> <p>La Gascromatografia Multidimensionale per l'Analisi di Miscele Complesse. Nota Preliminare. Determinazione della Distribuzione Enantiomerica di Componenti degli Olii Essenziali Agrumari.</p> <p>Essenz. Deriv. Agrum. 67(1), 62-85 (1997). Research article</p> | 0.00 |
| 40 | <p>Jasim Uddin Chowdhury, Mohammed Yusuf, Jaripa Begum, Luigi Mondello, Pietro Previti, and Giovanni Dugo.</p> <p>Studies on the Essential Oil Bearing Plants of Bangladesh. Part IV. Composition of the Leaf Oils of Three Cymbopogon species: C. flexuosus (Nees ex Steud) Wats., C. nardus (L.) Rendle var. confertiflorus (Steud) N.L. Bor and C. martinii (Roxb.) Wats. var. martinii.</p> <p>J. Essent. Oil Res. 10, 301-306 (1998). ISSN 1041-2905 (May 1998, Allured Publishing corporation, Carol Stream, IL, USA).</p> <p>Research article</p> | 2.10 |

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| 41 | <p>Paola Dugo, Luigi Mondello, Eugenia Cogliandro, Antonella Cavazza, and Giovanni Dugo.</p> <p>On the genuineness of citrus essential oils. Part LIII. Determination of the composition of the oxygen heterocyclic fraction of lemon essential oils (<i>Citrus limon</i> (L.) Burm. f.) by normal-phase high performance liquid chromatography.</p> <p>Flavour Frag. J. 13, 329-334 (1998). ISSN 0882-5734 (September 1998, John Wiley & Sons LTD, West Sussex, UK).</p> <p>Research article</p> | 2.00 |
| 42 | <p>Luigi Mondello, Maurizio Catalfamo, Giovanni Dugo, Paola Dugo. Multidimensional Tandem Capillary Gas Chromatography System for the Analysis of Real Complex Samples. Part I. Development of a Fully Automated Tandem Gas Chromatography System.</p> <p>J. Chromatogr. Sci. 36, 201-209 (1998). ISSN 0021-9665 (April 1998, Preston Publications, Niles, IL, USA).</p> <p>Research article</p> | 1.30 |
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| 45 | <p>Luigi Mondello, Giovanni Dugo, and Keith D. Bartle.</p> <p>A Multidimensional HPLC-HRGC System for the Analysis of Real Samples. LC GC Eur. 11, 26-31 (1998). (January 1998, Advanstar Communications, Chester, UK).</p> <p>Research article</p> | 0.30 |
| 46 | <p>Paola Dugo, Antonella Cotroneo, Ivana Bonaccorsi, and Luigi Mondello.</p> <p>On the Genuineness of Citrus Essential Oils. Part LVII. The Composition of Distilled Lime Oil.</p> <p>Flavour Frag. J. 13, 93-97 1998. ISSN 0882-5734 (March 1998, John Wiley & Sons LTD, West Sussex, UK).</p> <p>Research article</p> | 2.00 |

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| 47 | <p>Mohammed Yusuf, Jaripa Begum, Luigi Mondello, and Ildefonsa Stagno d'Alcontres. Studies on the Essential Oil Bearing Plants of Bangladesh. Part VI. Composition of the Oil of <i>Ocimum gratissimum</i> L. Flavour Frag. J. 13, 163-166 (1998). ISSN 0882-5734 (May 1998, John Wiley & Sons LTD, West Sussex, UK).</p> <p>Research article</p> | 2.00 |
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| 321 | N. Hussin, L. Mondello, R. Costa, P. Dugo, N.I.N. Yusoff, M.A. Yarmo, A.A. Wahab,
M. Said.
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Natural Product, Inc., Westerville, Ohio, USA). Research article | 1.40 |
| 322 | Bruno Jose Goncalves Silva, Peter Quinto Tranchida, Giorgia Purca-
ro, Maria Eugenia Costa Queiroz, Luigi Mondello, Fernando Mauro Lancas
Evaluation of comprehensive two-dimensional gas chromatography coupled to rapid
scanning quadrupole mass spectrometry for quantita-
tive analysis
J. Chromatogr. A 2012, 1255, 177–183. ISSN 0021-9673 (September 2012 Elsevier,
B.V., Amsterdam, The Netherlands).
Research article | 4.00 |
| 323 | Peter Q. Tranchida, Flavio A. Franchina, Paola Dugo and Luigi Mondello
A flow-modulated comprehensive gas chromatography-mass spectro-
metry method for the analysis of fatty acid profiles in vegetable, mari-
ne, and biological samples
J. Chromatogr. A 2012, 1255, 171–176. ISSN 0021-9673 (September 2012 Elsevier,
B.V., Amsterdam, The Netherlands).
Research article | 4.00 |
| 324 | Paola Donato, Francesco Cacciola, Peter Quinto Tranchida, Paola Dugo, Luigi
Mondello
Mass Spectrometry Detection In Comprehensive Liquid Chromato-
graphy: Basic Concepts, Instrumental Aspects, Applications and Trends Mass Spectr. Rev. 2012, 31,
523–559. ISSN: 1098-2787. (March 2012
Wiley-VCH, Weinheim, Germany) Research article | 6.60 |

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| 325 | <p>Carla Ragonese, Danilo Sciarrone, Peter Quinto Tranchida, Paola Dugo and Luigi Mondello</p> <p>Use of ionic liquids as stationary phases in hyphenated gas chromatography techniques: a Review article</p> <p>J. Chromatogr. A 2012, 1255, 130–144. ISSN 0021-9673 (September 2012 Elsevier, B.V., Amsterdam, The Netherlands).</p> <p>Review article</p> | 4.00 |
| 326 | <p>Danilo Sciarrone, Sebastiano Pantò, Carla Ragonese, Peter Quinto Tranchida, Paola Dugo, Luigi Mondello</p> <p>Increasing the Isolated Quantities and Purities of Volatile Compounds by Using a Triple Deans-Switch Multidimensional Preparative Gas Chromatographic System with an Apolar-Wax-Ionic Liquid Stationary-Phase Combination</p> <p>Anal. Chem. 2012, 84, 7092–7098. ISSN 0003-2700 (July 2012, American Chemical Society, Washington. D.C., USA). Research article</p> | 6.70 |
| 327 | <p>M.P. Germanò, F. Cacciola, P. Donato, P. Dugo, G. Certo, V. D'Angelo, L. Mondello, A. Rapisarda</p> <p>Betula pendula leaves: Polyphenolic characterization and potential innovative use in skin whitening products Fitoterapia, 2012, 83, 877-882. ISSN 0367-326X(July 2012 Elsevier, B.V., Amsterdam, The Netherlands).</p> <p>Research article</p> | 2.60 |
| 328 | <p>Francesco Cacciola, Paola Donato, Daniele Giuffrida, Germana Torre, Paola Dugo, Luigi Mondello</p> <p>Ultra high pressure in the second dimension of a comprehensive two-dimensional liquid chromatographic system for carotenoid separation in chili red peppers</p> <p>J. Chromatogr. A 2012, 1255, 244-251. ISSN 0021-9673 (September 2012 Elsevier, B.V., Amsterdam, The Netherlands).</p> | 4.00 |
| 329 | <p>Paola Dugo, Marina Russo, Mariagiovanna Sarò, Caterina Carnovale, Ivana Bonaccorsi and Luigi Mondello,</p> <p>Multidimensional liquid chromatography for the determination of chiral coumarins and furocoumarins in citrus essential oils J. Sep. Sci. 2012, 35, 1828–1836. ISSN 1615-9306. (July 2012, Wiley-VCH, Weinheim, Germany). Research article</p> | 2.80 |
| 330 | <p>Luigi Mondello, Mariosimone Zoccali, Giorgia Purcaro, Flavio Antonio Franchina, Danilo Sciarrone, Sabrina Moret, Lanfranco Conte, and Peter Quinto Tranchida</p> <p>Determination of saturated-hydrocarbon contamination in baby foods by using on-line liquid–gas chromatography and off-line liquid chromatography-comprehensive gas chromatography combined with mass spectrometry</p> <p>J. Chromatogr. A, 2012, 1259, 221–226. ISSN 0021-9673 (October 2012 Elsevier, B.V., Amsterdam, The Netherlands). Research article</p> | 4.00 |

- 331 P.Q. Tranchida, L. Mondello 4.00
Current-day employment of the micro-bore open-tubular column in the gas chromatography field J. Chromatogr. A, 2012, 1261, 23–36. ISSN 0021-9673 (October 2012 Elsevier, B.V., Amsterdam, The Netherlands). Review article
- 332 Paola Dugo, Marco Beccaria, Nermeen Fawzy, Paola Donato, Francesco Cacciola, Luigi Mondello 4.00
Mass spectrometric elucidation of triacylglycerol content of *Brevoortia tyrannus* (menhaden) oil using non-aqueous reversed-phase liquid chromatography under ultra high pressure conditions J. Chromatogr. A, 1259 (2012) 227–236. ISSN 0021-9673 (October 2012 Elsevier, B.V., Amsterdam, The Netherlands). Research article
- 333 G. Pennazza, C. Fanali, M. Santonico, L. Dugo, L. Cucchiari, M. Dachà, A. D'Amico, R. Costa, P. Dugo, L. Mondello 9.80
Electronic nose and GC–MS analysis of volatile compounds in *Tuber magnatum* Pico: Evaluation of different storage conditions Food Chem. 136 (2013) 668–674. ISSN 0308-8146 (January 2013 Elsevier, B.V., Amsterdam, The Netherlands). Research article
- 334 C. Fanali, P. Dugo, L. Mondello, G. D'Orazio, S. Fanali 0.00
“Recent developments in high-performance liquid chromatography” in Food Analysis by HPLC, third edition; editors: Leo M.L. Nollet, Fidel Toldra, CRC Press, November 29, 2012. ISBN: 9781439830840.
Book chapter
- 335 Peter Quinto Tranchida, Mariosimone Zoccali, Flavio Antonio Franchina, Paola Dugo, Luigi Mondello 2.80
Measurement Of Fundamental Chromatography Parameters In Conventional And Split-Flow Comprehensive Two-Dimensional Gas Chromatography-Mass Spectrometry: A Focus On The Importance Of Second-Dimension Injection Efficiency J. Sep. Sci. 36 (2013) 212–218. ISSN 1615-9306. (October 2013, Wiley-VCH, Weinheim, Germany). Research article
- 336 Giorgia Purcaro, Mariosimone Zoccali, Peter Quinto Tranchida, Laura Barp, Sabrina Moret, Lanfranco Conte, Paola Dugo, and Luigi Mondello 3.80
A Comparison Of Two Different Multidimensional Liquid-Gas Chromatography Interfaces For The Determination Of Mineral Oil Saturated Hydrocarbons In Foodstuffs Anal. Bioanal. Chem. 405 (2013) 1077–1084. ISSN 1618-2650. (January 2013, Springer, New York, USA). Research article
- 337 Ivana Bonaccorsi, Luisa Schipilliti, Danilo Sciarrone, Laura Dugo, Luigi Mondello, Giovanni Dugo. 3.80
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| 338 | Paola Dugo, Nermeen Fawzy, Filomena Cichello, Francesco Cacciola, Paola Donato and Luigi Mondello
Stop-flow comprehensive two-dimensional liquid chromatography combined with mass spectrometric detection for phospholipid analysis
J. Chromatogr. A 2013, 1278, 46–53. ISSN 0021-9673 (February 2013 Elsevier, B.V., Amsterdam, The Netherlands).
Research article | 4.00 |
| 339 | Peter Quinto Tranchida, Mariosimone Zoccali, Flavio Antonio Franchina, Ivana Bonaccorsi, Paola Dugo, Luigi Mondello.
Fast gas chromatography combined with a high-speed triple quadrupole mass spectrometer for the analysis of unknown and target citrus essential oil volatiles.
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| 340 | Luigi Mondello and Peter Tranchida Accelerating Food Analysis
The Analytical Scientist, Iss. 1, January 2013, pp. 22-23 ISSN 2051-4077, Texere Publishing Limited, Cheshire, UK Research article | 0.00 |
| 341 | Peter Quinto Tranchida, Flavio Antonio Franchina, Mariosimone Zoccali, Sebastiano Pantò, Danilo Sciarrone, Paola Dugo, Luigi Mondello
Untargeted And Targeted Comprehensive Two-Dimensional GC Analysis Using A Novel Unified High-Speed Triple Quadrupole Mass Spectrometer
J. Chromatogr. A 1278 (2013) 153-159. ISSN 0021-9673 (February 2013 Elsevier, B.V., Amsterdam, The Netherlands).
Research article | 4.00 |
| 342 | P. Donato, P. Dugo, L. Mondello
Separation of Lipids in “Liquid Chromatography: Applications”; editors: Fanali S., Haddad, P.R., Poole, P.R., Schoenmakers, P., Elsevier, 2013. ISBN: 978-0-12-415806-1
Book chapter | 0.00 |
| 343 | Marina Russo, Ivana Bonaccorsi, Germana Torre, Antonella Cotroneo, Paola Dugo and Luigi Mondello
Determination of Bioactive Compounds in the Juice of Pummelo (C. grandis Osbeck)
Nat. Prod. Commun. 1278 (2013) 153-159. ISSN 1555-9475. (March 2013, Natural Product, Inc., Westerville, Ohio, USA).
Research article | 1.40 |
| 344 | Rosaria Costa, Laura Tedone, Selenia De Grazia, Paola Dugo, Luigi Mondello Multiple Headspace-Solid-Phase Microextraction (MHS-SPME): an application to quantification of mushroom volatiles
Anal. Chim. Acta 770 (2013) 1–6. ISSN 0003-2670. (April 2013, Elsevier, B.V., Amsterdam, The Netherlands).
Research article | 6.00 |

- 345 Giorgia Purcaro, Peter Q. Tranchida, Laura Barp, Sabrina Moret, Lanfranco S. Conte, Luigi Mondello 6.00
Detailed elucidation of hydrocarbon contamination in food products by using Solid-Phase Extraction and Comprehensive Gas Chromatography with Dual Detection
Anal. Chim. Acta 773 (2013) 97–104. ISSN 0003-2670. (April 2013, Elsevier, B.V., Amsterdam, The Netherlands). Research article
- 346 Luisa Schipilliti, Ivana Bonaccorsi, Antonella Cotroneo, Paola Dugo and Luigi Mondello 6.20
Evaluation of gas-chromatography-combustion-isotope ratio mass spectrometry (GC-C-IRMS) for the quality assessment of Citrus liqueurs
J. Agric. Food Chem. 61 (8) (2013) 1661-1670. ISSN: 0021-8561 (October 2013, American Chemical Society, Washington, USA) Research article
- 347 M. Russo, F. Cichello, C. Ragonese, P. Donato, F. Cacciola, P. Dugo, L. Mondello 3.80
Profiling and quantitative determination of polar lipids in milk by hydrophilic interaction liquid chromatography coupled to evaporative-light scattering and mass spectrometry detection
Anal. Bioanal. Chem. 405 (2013) 4617-4626. ISSN 1618-2650. (January 2013, Springer, New York, USA).
Research article
- 348 P. Q. Tranchida, S. Salivo, F. A. Franchina, I. Bonaccorsi, P. Dugo, L. Mondello 3.80
Qualitative and quantitative analysis of the unsaponifiable fraction of vegetable oils by using comprehensive 2D GC with dual MS/FID detection
Anal. Bioanal. Chem. 405 (2013) 4655-4663. ISSN 1618-2650. (January 2013, Springer, New York, USA).
Research article
- 349 M. F. Taviano, A. Marino, A. Trovato, V. Bellinghieri, A. Melchini, P. Dugo, F. Cacciola, P. Donato, L. Mondello, A. Güvenç, R. De Pasquale, N. Miceli 3.00
Juniperus oxycedrus L. subsp. oxycedrus and Juniperus oxycedrus L. subsp. macrocarpa (Sibth. & Sm.) Ball. “berries”: phenolic profile and biological activities
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Research article
- 350 D. Sciarrone, S. Pantò, A. Rotondo, L. Tedone, P. Q. Tranchida, P. Dugo, L. Mondello 6.00
Rapid collection and identification of a novel component from *Clausena lansium* Skeels leaves by means of three-dimensional preparative GC and NMR/FTIR/MS analysis
Anal. Chim. Acta 785 (2013) 119-125. ISSN 0003-2670. (June 2013, Elsevier, B.V., Amsterdam, The Netherlands). Research article

- 351 Enrique Murillo, Daniele Giuffrida, Dania Menchaca, Paola Dugo, Germana Torre, Antonio J. Meléndez-Martínez, Luigi Mondello
Native carotenoids composition of some tropical fruits
Food Chem. 140 (2013) 825-836. ISSN 0308-8146. (October 2013, Elsevier, B.V., Amsterdam, The Netherlands). Research article 9.80
- 352 P. Q. Tranchida, M. Zoccali, L. Schipilliti, D. Sciarrone, P. Dugo and L. Mondello
Solid-Phase Microextraction-Fast Gas Chromatography Combined With A High-Speed Triple Quadrupole Mass Spectrometer For Targeted And Untargeted Food Analysis
J. Sep. Sci. 36 (2013) 2145-2150. ISSN 1615-9306. ((June 2013, Wiley-VCH, Weinheim, Germany). Research article 2.80
- 353 P. Q. Tranchida, M. Zoccali, I. Bonaccorsi, P. Dugo, L. Mondello, G. Dugo
The off-line combination of high performance liquid chromatography and comprehensive two-dimensional gas chromatography-mass spectrometry: a powerful approach for highly-detailed essential oil analysis
J. Chromatogr. A 1305 (2013) 276-284. ISSN 0021-9673 (August 2013 Elsevier, B.V., Amsterdam, The Netherlands). Research article 4.00
- 354 Peter Q. Tranchida, Flavio A. Franchina, Mariosimone Zoccali, Ivana Bonaccorsi, Francesco Cacciola, Luigi Mondello
A DIRECT SENSITIVITY COMPARISON BETWEEN FLOW-MODULATED COMPREHENSIVE TWO-DIMENSIONAL AND ONE-DIMENSIONAL GAS CHROMATOGRAPHY IN UNTARGETED AND TARGETED MASS SPECTROMETRY- BASED EXPERIMENTS
Sep. Sci. 36 (2013) 2746-2752. ISSN 1615-9306. (July 2013, Wiley-VCH, Weinheim, Germany). Research article 2.80
- 355 M.P. Germanò, F. Cacciola, P. Donato, P. Dugo, G. Certo, V. D'Angelo, L. Mondello, A. Rapisarda
Betula pendula Roth leaves: gastroprotective effects of an HPLC-fingerprinted methanolic extract
Nat. Prod. Res. 27 (2013) 1569-1575. ISSN 1478-6419 (September 2013, Taylor and Francis group, London, United Kingdom). Research article 1.60
- 356 Peter Q. Tranchida, Simona Salivo, Ivana Bonaccorsi, Archimede Rotodo, Paola Dugo, Luigi Mondello
ANALYSIS OF THE UNSAPONIFIABLE FRACTION OF LIPIDS BELONGING TO VARIOUS MILK-TYPES BY USING COMPREHENSIVE 2D GC WITH DUAL MS/FID DETECTION AND WITH THE SUPPORT OF HIGH RESOLUTION TIME-OF-FLIGHT MASS SPECTROMETRY FOR STRUCTURAL ELUCIDATION
J. Chromatogr. A 1313 (2013) 194-201. ISSN 0021-9673 (October 2013 Elsevier, B.V., Amsterdam, The Netherlands). Research article 4.00

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| 357 | Peter Q. Tranchida, Mariosimone Zoccali, Flavio A. Franchina, Antonella Cotroneo, Paola Dugo and Luigi Mondello
GAS VELOCITY AT THE POINT OF RE-INJECTION: AN ADDITIONAL PARAMETER IN COMPREHENSIVE 2D GC OPTIMIZATION
J. Chromatogr. A 1314 (2013) 216-223. ISSN 0021-9673 (November 2013 Elsevier, B.V., Amsterdam, The Netherlands).
Research article | 4.00 |
| 358 | Peter Q. Tranchida, Paola Donato, Francesco Cacciola, Marco Beccaria, Paola Dugo, Luigi Mondello
POTENTIALS OF COMPREHENSIVE CHROMATOGRAPHY IN FOOD ANALYSIS
TRAC-Trends Anal. Chem 52 (2013) 186-205. ISSN 0165-9936 (December 2013 Elsevier, B.V., Amsterdam, The Netherlands). Review article | 12.00 |
| 359 | Chiara Fanali, Laura Dugo, Paola Dugo, Luigi Mondello Nano-Liquid Chromatography in Food Analysis.
TRAC-Trends Anal. Chem. 52 (2013) 226–238. ISSN 0165-9936 (December 2013 Elsevier, B.V., Amsterdam, The Netherlands). Review article | 12.00 |
| 360 | Chiara Fanali, Paola Dugo, Javier-Hernandez Borges, Luigi Mondello, Zeineb Aturki, Salvatore Fanali
High-Performance Liquid Chromatography: A Established Separation Technique in Food Chemistry. HPLC 2013. Elsevier, B.V., Amsterdam, The Netherlands).
Book Chapter | 0.00 |
| 361 | Giacomo Dugo, Flavio A. Franchina, Maria Rosa Scandinaro, Ivana Bonaccorsi, Nicola Cicero, Peter Q. Tranchida, Luigi Mondello
Elucidation of the aroma profile of marsala wines by using headspace solid-phase microextraction-comprehensive 2D GC with simultaneous flame ionization and mass spectrometric detection
Food Chem. 142 (2014) 262–268. ISSN 0308-8146. (January 2014, Elsevier, B.V., Amsterdam, The Netherlands).
Research article | 9.80 |
| 362 | Archimede Rotondo, Salvatore Barresi, Matteo Cusumano, Enrico Rotondo, Paola Donato, Luigi Mondello
NMR characterisation and dynamic behaviour of [Pt(bipy) (R-Thiourea) ₂]Cl ₂ and [Pt(phen)(R-Thiourea) ₂]Cl ₂ complexes
Inorg. Chim. Acta 410 (2014) 1-10. ISSN 0020-1693. (January 2014, Elsevier, B.V., Amsterdam, The Netherlands).
Research article | 3.20 |

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| 363 | <p>Carla Ragonese, Laura Tedone, Marco Beccaria, Germana Torre, Francesco Cacciola, Paola Dugo, Luigi Mondello</p> <p>Characterization of lipid fraction of marine macroalgae from South Italy by means of chromatography techniques coupled to mass spectrometry</p> <p>Food Chem. 145 (2014) 932–940. ISSN 0308-8146. (February 2014, Elsevier, B.V., Amsterdam, The Netherlands).</p> <p>Researcharticle</p> | 9.80 |
| 364 | <p>Rosaria Costa, Marina Russo, Selenia De Grazia, Elisa Grasso, Paola Dugo, Luigi Mondello</p> <p>A thorough investigation on the oxygen heterocyclic fraction of lime (<i>Citrus aurantifolia</i> (Christm) Swingle) juice</p> <p>J. Sep. Sci. 37 (2014) 792-797. ISSN 1615-9306. (March 2014, Wiley-VCH, Weinheim, Germany). Research article</p> | 2.80 |
| 365 | <p>Anna Rocco, Chiara Fanali, Laura Dugo, Luigi Mondello</p> <p>A nano-LC/UV method for the analysis of principal phenolic compounds in commercial Citrus juices and evaluation of antioxidant potential</p> <p>Electrophoresis 35 (2014) 1701-1708. ISSN: 1522-2683. (March 2014, Wiley-VCH, Weinheim, Germany).</p> <p>Research article</p> | 2.50 |
| 366 | <p>Marina Russo, Ivana Bonaccorsi, Germana Torre, Mariagiovanna Sarò, Paola Dugo, and Luigi Mondello</p> <p>Determination and quantification of bioactive molecules from lemon-processing by-products</p> <p>J. Funct. Food 9 (2014) 18–26. ISSN: 1756-4646. (July 2014 Elsevier, B.V., Amsterdam, The Netherlands).</p> <p>Research article</p> | 4.00 |
| 367 | <p>Danilo Sciarrone, Sebastiano Pantò, Peter Quinto Tranchida, Paola Dugo and Luigi Mondello</p> <p>Rapid Isolation of High Solute Amounts by Using a Totally Orthogonal On-line Four-Dimensional Preparative System: Normal Phase-Liquid Chromatography Coupled to Methyl Siloxane-Ionic Liquid-Wax Phase Gas Chromatography</p> <p>Anal. Chem. 86 (2014) 4295–4301. ISSN 0003-2700 (April 2014, American Chemical Society, Washington. D.C., USA). Researcharticle</p> | 6.70 |
| 368 | <p>Paola Donato, Francesco Cacciola, Francesca Rigano, Daniele Giuffrida, Paola Dugo, Luigi Mondello</p> <p>Comprehensive two-dimensional liquid chromatography coupled to triple quadrupole mass spectrometry: application to a challenging food case-study</p> <p>LC GC NAM. 5 (2014) 42-47. ISSN: 1527-5949. (May 2014, Advanstar Communications, Duluth, MN, USA). Research article</p> | 0.00 |

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| 369 | Peter Q. Tranchida, Flavio A. Franchina, Simona Salivo, Marina Russo, Paola Dugo and Luigi Mondello | 0.00 |
| | Flow-modulated Comprehensive Two-dimensional Gas Chromatography-Triple Quadrupole Mass Spectrometry Elucidation of the Fatty Acids and Unsaponifiable Constituents of Oil Derived from Lemon Seeds, A Food-Industry Waste Product LC GC N AM. 5 (2014) 24-29-47. ISSN: 1527-5949. (May 2014, Advanstar Communications, Duluth, MN, USA). Research article | |
| 370 | Gabriel Mazzi L3.8
eme, Francesco Cacciola, Paola Donato, Alberto Jose Cavalleiro, Paola Dugo, Luigi Mondello | 3.80 |
| | Continuous vs. segmented second dimension system gradients for comprehensive two-dimensional liquid chromatography of sugarcane (<i>Saccharum</i> spp.)
Anal. Bioanal. Chem. 406 (2014) 4315-4324. ISSN 1618-2650. (July 2014, Springer, New York, USA).
Research article | |
| 371 | Marco Beccaria, Giuseppe Sullini, Francesco Cacciola, Paola Donato, Paola Dugo, Luigi Mondello | 4.00 |
| | High performance characterization of triacylglycerols in milk and milk-related samples by liquid chromatography and mass spectrometry
J. Chromatogr. A 1360 (2014) 172-187. ISSN 0021-9673. (September 2014 Elsevier, B.V., Amsterdam, The Netherlands).
Research article | |
| 372 | Paola Donato, Francesco Cacciola, Francesca Rigano, Daniele Giuffrida, Paola Dugo, Luigi Mondello | 0.30 |
| | Comprehensive two-dimensional liquid chromatography coupled to triple quadrupole mass spectrometry: application to a challenging food case-study
LC GC Eur. 9 (2014) 28-32. ISSN 1471-6577. (September 2014, Advanstar Communications, Chester, UK).
Research article | |
| 373 | Laura Tedone, Rosaria Costa, Selenia De Grazia, Salvatore Ragusa and Luigi Mondello | 2.30 |
| | Monodimensional (GC-FID and GC-MS) and Comprehensive Two-dimensional Gas Chromatography for the Assessment of Volatiles and Fatty Acids from <i>Ruta chalepensis</i> Aerial Parts
Phytochem. Anal. 25 (2014) 468-475. ISSN 1099-1565. (September/October 2014, Wiley-VCH, Weinheim, Germany).
Research article | |
| 374 | Peter Q. Tranchida, Flavio A. Franchina, Paola Dugo and Luigi Mondello | 4.00 |
| | Use of greatly-reduced gas flows in flow-modulated comprehensive two-dimensional gas chromatography- mass spectrometry
J. Chromatogr. A 1359 (2014) 271-276. ISSN 0021-9673 (October 2014 Elsevier, B.V., Amsterdam, The Netherlands).
Research article | |

- 375 Francesco Cacciola, Marco Beccaria, Paola Donato, Luigi Mondello, Paola Dugo 0.30
 COMBINING ORTHOGONAL COMPREHENSIVE TWO-DIMENSIONAL LIQUID CHROMATOGRAPHY METHODS IN FOOD ANALYSIS
 LC-GC Eur. 11 (2014) 570-577. ISSN 1471-6577. (November 2014, Advanstar Communications, Chester, UK). Review Chemical Society, Washington. D.C., USA).
 Research article
- 376 6.70
 Débora Tomasini, Francesco Cacciola , Francesca Rigano , Danilo Sciarrone , Paola Donato, Marco Beccaria , Elina Bastos Caramão , Paola Dugo, Luigi Mondello
 Complementary analytical liquid chromatography methods for the characterization of aqueous phase from pyrolysis of lignocellulosic biomasses
 Anal. Chem. 86 (2014) 11255-11262. ISSN 0003-2700 (November 2014, American Chemical Society, Washington. D.C., USA). Research article
- 377 P. Tranchida, F. Franchina, P. Dugo. L. Mondello 4.00
 FLOW-MODULATION LOW-PRESSURE COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY
 J. Chromatogr. A 1372 (2014) 236-244. (December 2014, Elsevier, B.V., Amsterdam, The Netherlands).
 Research article
- 378 Marina Russo, Ivana Bonaccorsi, Veronica Infrerera, Paola Dugo, and Luigi Mondello 4.00
 Underestimated sources of flavonoids, limonoids and dietary fiber: availability in orange's by-products.
 J. Funct. Food 12 (2015) 150–157. ISSN: 1756-4646. (January 2015, Elsevier, B.V., Amsterdam, The Netherlands). Research article
- 379 Meriem Mokhtar, Jan Soukup, Paola Donato, Francesco Cacciola, Paola Dugo, Ali 2.80
 Riazi, Pavel Jandera, Luigi Mondello
 Determination of the polyphenolic content of *Capsicum annum* L. by liquid chromatography coupled to photodiode array and mass spectrometry detection and evaluation of its biological activity
 J. Sep. Sci. 38 (2015) 171-178. ISSN 1615-9306. (January 2015, Wiley-VCH, Weinheim, Germany).
 Research article

- 380 S. Salivo, M. Beccaria, G. Sullini, P.Q. Tranchida, P. Dugo, L. Mondello 2.80
Analysis of human plasma lipids by using comprehensive two-dimensional gas chromatography with dual detection and with the support of high-resolution time-of-flight mass spectrometry for structural elucidation
J. Sep. Sci. 37 (2015) 267-275. ISSN 1615-9306. (January 2015, Wiley-VCH, Weinheim, Germany).
Research article
- 381 Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello 6.70
The on-line combination of high performance liquid chromatography with comprehensive two- dimensional gas chromatography-triple quadrupole mass spectrometry: a proof of principle study
Anal. Chem. 87 (2015) 1911-1918. ISSN 0003-2700 (February 2015, American Chemical Society, Washington. D.C., USA).
Research article
- 382 R. Costa , C. Fanali , G. Pennazza , L. Tedone , L. Dugo , M. Santonico , D. Sciarrone, 6.60
F. Cacciola, L. Cucchiari, M. Dachà and L. Mondello
Screening of volatile compounds composition of white truffle during storage by GCxGC- (FID/ MS) and gas sensor array analyses
LWT-Food Sci. Technol. 60 (2015) 905-913. ISSN 0023-6438 (March 2015, Elsevier, B.V., Amsterdam, The Netherlands).
Research article
- 383 F. A. Franchina, M. E. Machado, P. Q. Tranchida, C. Alcaraz Zini, E. Bastos Caramão 4.00
L.Mondello
Determination of aromatic sulphur compounds in heavy gas oil by using flow-modulated low-pressure comprehensive two-dimensional gas chromatography-triple quadrupole mass spectrometry
J. Chromatogr. A 387 (2015) 86-94. ISSN 0021-9673. (March 2015, AElsevier, B.V., Amsterdam, The Netherlands). Research article
- 384 Peter Q. Tranchida, Simona Salivo, Flavio A. Franchina, Luigi Mondello 6.700 6.70
FLOW-MODULATED COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY COMBINED WITH A NOVEL HIGHRESOLUTION TIME-OF-FLIGHT MASS SPECTROMETER: PROOF-OF-PRINCIPLE STUDY
Anal. Chem. 87 (2015) 2925–2930. ISSN 0003-2700 (March 2015, American Chemical Society, Washington. D.C., USA).
Research article

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| 385 | Chiara Fanali, Anna Rocco, Giovanni D'Orazio, Laura Dugo, Luigi Mondello, Zeineb Aturki
Determination of key flavonoid aglycones by means of nano-liquid chromatography for the analysis of dietary supplements and food matrices.
Electrophoresis 36 (2015) 1073-1081. ISSN: 1522-2683. (April 2015, Wiley-VCH, Weinheim, Germany).
Research article | 2.50 |
| 386 | Cacciola F, Russo M, Beccaria M, Donato P, Farnetti S, Dugo P, and Mondello L
Comprehensive Two-dimensional Liquid Chromatography Methods for Analysis of Polyphenols in Food Samples
Austin Chromatogr. 2(1) (2015):1028 Review article | 0.00 |
| 387 | Carbon isotope ratios determination by GC-C-IRMS using HS-SPME extraction in natural complex matrices of food interest
Ana Gabriela Buglia, Luisa Schipilliti, Luigi Mondello
Scientia Chromatographica dx.doi.org/10.4322/sc.2015.002. 6(3) 155-165. ISSN 1984-4433.
Research article | 0.00 |
| 388 | Rosaria Costa, Marco Beccaria, Elisa Grasso, Ambrogina Albergamo, Marianna Oteri, Paola Dugo, Salvatore Fasulo, Luigi Mondello
Sample preparation techniques coupled to advanced chromatographic methods for marine organisms investigation
Anal. Chim. Acta 875 (2015) 41-53. ISSN 0003-2670. (May 2015, Elsevier, B.V., Amsterdam, The Netherlands). Research article | 6.00 |
| 389 | Francesco Cacciola , Francesca Rigano , Danilo Sciarrone , Paola Donato, Marco Beccaria , Paola Dugo, Luigi Mondello
Comprehensive two-dimensional liquid chromatography: characterization of aqueous phase from pyrolysis of lignocellulosic biomasses
Chrom+Food Forum 06/2015 (M. Dellert-Ditter). Research article | 0.00 |
| 390 | Marco Beccaria, Rosaria Costa, Giuseppe Sullini, Elisa Grasso, Francesco Cacciola, Paola Dugo and Luigi Mondello
Determination of the triacylglycerol fraction in fish oil by comprehensive liquid chromatography techniques with the support of gas chromatography and mass spectrometry
Anal. Bioanal. Chem. 407 (2015) 5211-5225. ISSN 1618-2650. (July 2015, Springer, New York, USA).
Research article | 3.80 |

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| 391 | Marina Russo, Ivana Bonaccorsi, Rosaria Costa, Paola Dugo, and Luigi Mondello
Reduced Time HPLC Analyses for Fast Quality Control of Citrus Essential Oils
J. Essent. Oil Res. 27 (2015) 307-315. ISSN 2163-8152. (July 2015, Taylor& Francis Group Boca Raton, FL, USA).
Research article | 2.20 |
| 392 | Paola Donato, Francesco Cacciola, Marco Beccaria, Paola Dugo and Luigi Mondello
Lipidomics (Chapter 8) in Advanced Mass Spectrometry for Food Safety and Quality (Comprehensive Analytical Chemistry, 1st Ed.) Vol. 68. 395-439. 2015. Ed. ISBN-13 978-0-444-633408 (Elsevier, B.V., Amsterdam, The Netherlands). Yolanda Picò Book chapter | 0.00 |
| 393 | Flavio A. Franchina, Mariarosa Maimone, Danilo Sciarrone, Giorgia Purcaro, Peter Q. Tranchida and Luigi Mondello
Evaluation of a novel helium ionization detector within the context of (low-)flow modulation comprehensive two-dimensional gas chromatography
J. Chromatogr. A 1402 (2015) 102-109. ISSN 0021-9673. (July 2015, Elsevier, B.V., Amsterdam, The Netherlands). Research article | 4.00 |
| 394 | Danilo Sciarrone, Sebastiano Pantò, Francesco Cacciola, Rosaria Costa Paola Dugo and Luigi Mondello
Advanced preparative techniques for the collection of pure components from essential oils
Nat. Vol. Essent. Oils 2 (2015) 1-15. ISSN: 2148-9367 (July 2015, Badebio Ltd., Turkey).
Review article | 0.00 |
| 395 | S. Granafèi, I. Losito, S. Salivo, P.Q. Tranchida, L. Mondello, F. Palmisano, T.R.I. Cataldi
Occurrence of oleic acid 18:1 methyl-branched acyl chains in lipids of <i>Rhodobacter sphaeroides</i> 2.4.1
Anal. Chim. Acta 885 (2015) 191-198. ISSN 0003-2670. (July 2015, Elsevier, B.V., Amsterdam, The Netherlands). Research article | 6.00 |
| 396 | Laura Barp , Giorgia Purcaro , Flavio A. Franchina , Mariosimone Zoccali , Danilo Sciarrone, Peter Q. Tranchida , Luigi Mondello
Determination of phthalate esters in vegetable oils using direct immersion solid- phase microextraction and fast gas chromatography coupled with triple quadrupole mass spectrometry
Anal. Chim. Acta 887 (2015) 237-244. ISSN 0003-2670. (August 2015, Elsevier, B.V., Amsterdam, The Netherlands). Research article | 6.00 |

- 397 Danilo Sciarrone, Sebastiano Pantò, Carla Ragonese, Paola Dugo and Luigi Mondello 12.00
Evolution and current status of preparative gas chromatography as green sample preparation technique
TRAC-Trends Anal. Chem 71 (2015) 65-73. ISSN 0165-9936 (September 2015 Elsevier, B.V., Amsterdam, The Netherlands).
Review article
- 398 Peter Q. Tranchida, Mariarosa Maimone, Giorgia Purcaro, Paola Dugo and Luigi Mondello 12.00
The penetration of green sample-preparation techniques in the field of comprehensive two-dimensional gas chromatography
TRAC-Trends Anal. Chem 71 (2015) 74-84. ISSN 0165-9936 (September 2015 Elsevier, B.V., Amsterdam, The Netherlands).
Review article
- 399 Non-polar lipids characterization of Quinoa (*Chenopodium quinoa*) seed by 2.80
comprehensive two-dimensional gas chromatography with flame ionization/mass spectrometry detection and non-aqueous reversed-phase liquid chromatography with atmospheric pressure chemical ionization mass spectrometry detection Chiara Fanali, Marco Beccaria, Simona Salivo, Peter Tranchida, Giusy Tripodo, Sara Farnetti, Laura Dugo, Paola Dugo, Luigi Mondello
J. Sep. Sci. 38 (2015) 3151-3160. ISSN 1615-9306.(September 2015, Wiley-VCH, Weinheim, Germany). Research article
- 400 L. Schipilliti, I. Bonaccorsi, A. Cotroneo, P. Dugo, L. Mondello 3.50
Carbone Isotope ratio of Selected Volatiles in *C. sinensis* and in orange flavoured food
J. Sci. Food Agric. 95 (2015) 2944-2950. ISSN 1097-0010 (October 2015, Wiley-VCH, Weinheim, Germany).
Research article
- 401 Sebastiano Pantò, Danilo Sciarrone, Mariarosa Maimone, Carla Ragonese, Salvatore Giofrè, Paola Donato, Sara Farnetti, Luigi Mondello 2.00
Performance evaluation of a versatile multidimensional chromatographic preparative system based on three-dimensional gas chromatography and liquid chromatography–two-dimensional gas chromatography for the collection of volatile constituents
J. Chromatogr. A 1417 (2015) 96-103. ISSN 0021-9673. (October 2015, Elsevier, B.V., Amsterdam, The Netherlands).
Research article

- 402 Mariosimone Zoccali, Ivana L. Bonaccorsi, Peter Q. Tranchida, Paola Dugo, Luigi Mondello and Giovanni Dugo 2.00
Analysis of the sesquiterpene fraction Citrus essential oils by using off-line combination of high performance liquid chromatography and gas chromatography- based methods: a comparative study
Flav. Frag. J. 30 (2015) 411-422. ISSN 0882-5734 (November 2015, John Wiley & Sons LTD, Devon, England, UK).
Research article
- 403 Barbara d'Acampora Zellner, Paola Dugo, Giovanni Dugo, and Luigi Mondello. 2015. 0.00
Chapter 4_Flavor in Handbook of Food Analysis III Edition (Editors: Leo M.L. Nollet & Fidel Toldrà. CRC Press Taylor & Francis Group 6000 Broken Sound Parkway NY, Suite 300, Boca Raton, FL 33487-2742. ISBN-13: 978-1- 4822-9784-3, pp 47-64 Book chapter
- 404 Marina Russo, Paola Dugo, Stefania Marzocco, Veronica Inferrera, Luigi Mondello 2.80
Multidimensional Preparative Liquid Chromatography System for Isolation of Flavonoids in Bergamot Juice
J.Sep. Sci. 38 (2016) 567-575, ISSN 1615-9306.(January 2016, Wiley-VCH, Weinheim, Germany).
Research article
- 405 Barbara d'Acampora Zellner, Paola Dugo, Giovanni Dugo, and Luigi Mondello. 2016. 0.00
Chapter 7_Analysis of Essential Oils in Handbook of Essential Oil II Edition (Editors: K. Husnu Baser & G. Buchbauer. CRC Press Taylor & Francis Group 6000 Broken Sound Parkway NY, Suite 300, Boca Raton, FL 33487-2742. ISBN-13: 978-1-4665-9047-2, pp 195-228.
Book chapter
- 406 Rosaria Costa, Salvatore Ragusa, Marina Russo, Giovanna Certo, Flavio A. Franchina, Antonio Zanutto, Elisa Grasso, Luigi Mondello, Maria Paola Germano 3.10
Phytochemical screening of *Artemisia arborescens* L. by means of advanced chromatographic techniques for identification of health-promoting components
J. Pharm. Biomed. Anal. 117 (2016) 499-509. ISSN 0731-7085 (January 2016, Elsevier, Amsterdam, The Netherlands).
Research article
- 407 Marina Russo, Adriana Arigo, Maria Luisa Calabro, Sara Farnetti, Paola Dugo, and Luigi Mondello 4.00
Bergamot (*Citrus bergamia* Risso) as a source of nutraceuticals: limonoids and flavonoids
J. Funct. Food 20 (2016) 10-19. ISSN: 1756-4646. (January 2016, Elsevier, B.V., Amsterdam, The Netherlands). Research article

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| 408 | <p>Marco Beccaria, Erica Moret, Giorgia Purcaro, Lorena Pizzale, Antonella Cotroneo, Paola Dugo, Luigi Mondello, Lanfranco S. Conte</p> <p>Reliability of the ΔECN42 limit and global method for extra virgin olive oil purity assessment using different analytical approaches</p> <p>Food Chem. 190 (2016) 216-225. ISSN 0308-8146. (January 2016, Elsevier, B.V., Amsterdam, The Netherlands). Research article</p> | 9.80 |
| 409 | <p>Peter Q. Tranchida, Giorgia Purcaro, Mariarosa Maimone and Luigi Mondello</p> <p>The impact of comprehensive two-dimensional gas chromatography-mass spectro- metry on food analysis</p> <p>J.Sep.Sci.39(2016)149-161.ISSN1615-9306.(January2016,Wiley-VCH,Weinheim, Germany).
Review</p> | 2.80 |
| 410 | <p>Flavio A. Franchina, Mariarosa Maimone, Luigi Mondello</p> <p>Flow-Modulation Comprehensive 2D GC/MS for the Determination of Allergens in Fragrances</p> <p>Supelco Reporter 33.4 (2016) 17-18. (February 2016).
Research article</p> | 0.00 |
| 411 | <p>Giorgia Purcaro, Laura Barp, and Luigi Mondello</p> <p>Development of a Method for Analysis of Phthalate Esters in Vegetable Oils using Direct-Immersion SPME followed by Fast GC with Triple Quadrupole MS Detec- tion</p> <p>Supelco Reporter 33.4 (2016) 3-6. (February 2016). Research article</p> | 0.00 |
| 412 | <p>Marco Beccaria and Luigi Mondello</p> <p>Identification and Quantification of Triacylglycerols in Expired Dairy Products and Seafood Using NARP-HPLC-APCI-MS</p> <p>Supelco Reporter 33.4 (2016) 17-18. (February 2016). Research article</p> | 0.00 |
| 413 | <p>Marco Beccaria and Luigi Mondello</p> <p>Development of an Off-line LC$\times$LC/MS Method for Identification of Tria- cylglycerols (TAGs) in Marine Organisms using Different Extraction Procedures</p> <p>Supelco Reporter 33.4 (2016) 7-12 (February 2016).
Research article</p> | 0.00 |
| 414 | <p>Carla Ragonese, Danilo Sciarrone, Elisa Grasso, Paola Dugo and Luigi Mondello</p> <p>Enhanced resolution of Mentha piperita volatile fraction using a novel medium- polarity ionic liquid GC stationary phase</p> <p>J. Sep. Sci. 39 (2016) 537-544. ISSN 1615-9306. (February 2016, Wiley-VCH, Weinheim, Germany). Research article</p> | 2.80 |
| 415 | <p>Mariosimone Zoccali, Laura Barp, Marco Beccaria, Danilo Sciarrone, Giorgia Purcaro, Luigi Mondello</p> <p>Improvement in mineral oil saturated and aromatic hydrocarbons determination in edible oil by liquid-liquid-gas chromatography with dual detection</p> <p>J. Sep. Sci. 39 (2016) 623-631. ISSN 1615-9306. (February 2016, Wiley-VCH, Weinheim, Germany). Research article</p> | 2.80 |

- 416 Peter Q. Tranchida, Mariaros Maimone, Flavio A. Franchina, Thiago Rodrigues Bjerk, Giorgia Purcaro and Luigi Mondello 4.00
 FOUR-STAGE(LOW-)FLOWMODULATIONCOMPREHENSIVE GAS CHROMATOGRAPHY-QUADRUPOLE MASS SPECTROMETRY FOR THE DETERMINATION OF RECENTLY-HIGHLIGHTED COSMETIC ALLERGENS
 J. Chromatogr. A 1439 (2016) 144-151. ISSN 0021-9673. (March 2016, Elsevier, B.V., Amsterdam, The Netherlands).
 Research article
- 417 Flavio A. Franchina, Mariaros Maimone, Peter Q. Tranchida, Luigi Mondello 4.00
 LOW MODULATION COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY-MASSSPECTROMETRYUSING ≈ 4 mL min⁻¹ GAS FLOWS
 J. Chromatogr. A 1441 (2016) 134-139. ISSN 0021-9673. (April 2016, Elsevier, B.V., Amsterdam, The Netherlands).
 Research article
- 418 Francesca Rigano, Ambrogina Albergamo, Danilo Sciarrone, Marco Beccaria, Giorgia Purcaro, Luigi Mondello 6.70
 Nano Liquid Chromatography Directly Coupled to Electron Ionization Mass Spec.
 Anal. Chem. 88 (2016) 4021–4028. ISSN 0003-2700 (April 2016, American Chemical Society, Washington. D.C., USA).
 Research article
- 419 Flavio A. Franchina, Giorgia Purcaro, Mariaros Maimone, Peter Q. Tranchida, Luigi Mondello 0.00
 Recent evolution of flow-modulation comprehensive gas chromatography within the context of mass spectrometry hyphenation
 Chem. Today, 34, 6-10 (2016). ISSN 0392-839X (March/April, 2016, Teknosienze, Milan, Italy).
 Review
- 420 Meriem Mokhtar, Marina Russo, Francesco Cacciola, Paola Donato, Daniele Giuffrida, Ali Riazi, Sara Farnetti, Paola Dugo, Luigi Mondello 3.00
 Capsaicinoids and carotenoids in Capsicum annum: analytical characterization and evaluation of its biological properties
 Food Anal. Meth. 9 (2016) 1381-1390. ISSN 1618-2650. (May 2016, Springer, New York, USA).
 Research article
- 421 Sofiane Habibatni, Natalizia Miceli, Giovanna Ginestra, Zineb Maameri, Carlo Bisignano, Francesco Cacciola, Margita Utczas, Luigi Mondello, Sirajudheen Anwar, Samir Benayache, Damila Atrouz, Fadila Benayache, Maria Fernanda Taviano 0.00
 Antioxidant and antibacterial activity of extract and phases from stems of Spartium junceum L. growing in Algeria
 Int. J. Phytomedicine 8 (2016) 37-46. ISSN 0975-0185. (May 2016, Advanced Research Journals, USA).
 Research article

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| 422 | <p>Francesco Cacciola, Daniele Giuffrida, Margita Utczas, Domenica Mangraviti, Marco Beccaria, Paola Donato, Ivana Bonaccorsi, Paola Dugo, Luigi Mondello</p> <p>Analysis of the carotenoid composition and stability in various overripe fruits by comprehensive two-dimensional liquid chromatography</p> <p>LC GC Eur. 29 (2016) 252-256. ISSN 1471-6577. (May 2016, Advanstar Communications, Chester, UK). Research article</p> | 0.30 |
| 423 | <p>Natalizia Miceli, Luigina Pasqualina Buongiorno, Maria Grazia Celi, Francesco Cacciola, Paola Dugo, Paola Donato, Luigi Mondello, Irene Bonaccorsi, M. F. Taviano</p> <p>Role of the flavonoid-rich fraction in the antioxidant and cytotoxic activities of <i>Bauhinia forficata</i> Link. (Fabaceae) leaves extract</p> <p>Nat. Prod. Res. 30 (2016) 1229-1239.</p> | 1.90 |
| 424 | <p>Marina Russo, Francesca Rigano, Adriana Arigò, Danilo Sciarrone, Maria Luisa Calabrò, Sara Farnetti, Paola Dugo, Luigi Mondello</p> <p>Rapid isolation, reliable characterization, and water solubility improvement of polymethoxyflavones from cold-pressed mandarin essential oil</p> <p>J. Sep. Sci. 39 (2016) 2018-2027. ISSN 1615-9306. (June 2016, Wiley-VCH, Weinheim, Germany). Research article</p> | 2.80 |
| 425 | <p>P. Tranchida, F. Franchina, P. Dugo, L. Mondello</p> <p>Comprehensive two-dimensional gas chromatography-mass spectrometry</p> <p>Mass Spectrom. Rev. 35 (2016) 524-534. ISSN: 1098-2787. (July-August 2016 Wiley-VCH, Weinheim, Germany)</p> <p>Review article</p> | 6.60 |
| 426 | <p>Francesco Cacciola, Marco Beccaria, Marianna Oteri, Margita Utczas, Daniele Giuffrida, Nicola Cicero, Giacomo Dugo, Paola Dugo, Luigi Mondello</p> <p>Chemical characterization of old cabbage (<i>Brassica Oleracea</i> L. var. <i>Acephala</i>) seed oil by liquid chromatography and different spectroscopic detection system</p> <p>Nat. Prod. Res. 30 (2016) 1646-1654. ISSN 1478-6419. (July 2016, Taylor and Francis group, London, United Kingdom).</p> <p>Research article</p> | 1.60 |
| 427 | <p>Paola Donato, Francesca Rigano, Francesco Cacciola, Mark Schure, Sara Farnetti, Marina Russo, Paola Dugo, Luigi Mondello</p> <p>Comprehensive Two-Dimensional Liquid Chromatography-Tandem Mass Spectrometry for the Simultaneous Determination of Wine Polyphenols and Target Contaminants</p> <p>J. Chromatogr. A 1458 (2016) 54-62. ISSN 0021-9673. (August 2016, Elsevier, B.V., Amsterdam, The Netherlands).</p> <p>Research article</p> | 4.00 |
| 428 | <p>Francesco Cacciola, Daniele Giuffrida, Margita Utczas, Domenica Mangraviti, Paola Dugo, Dania Menchaca, Enrique Murillo, Luigi Mondello</p> <p>Application of comprehensive two-dimensional liquid chromatography for carotenoid analysis in red mamey (<i>Pouteria sapote</i>) fruit</p> <p>Food Anal. Meth. 9 (2016) 2335-2341. ISSN 1936-9751. (August 2016, Springer, New York, USA)</p> <p>Research article</p> | 3.00 |

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| 429 | Filippo Giarratana, Daniele Muscolino, Carla Ragonese, Chiara Beninati, Danilo Sciarrone, Graziella Ziino, Luigi Mondello, Alessandro Giuffrida, Antonio Panebianco | 2.10 |
| | Antimicrobial activity of thyme and rosemary essential oils against <i>Listeria monocytogens</i> in Italian mortadella packaged in modified atmosphere
J. Essent. Oil Res. 28 (2016) 467-474. ISSN 2163-8152 (August 2016, Taylor and Francis group, London, United Kingdom).
Research article | |
| 430 | M'hammed Aguenouz, Marco Beccaria, Giorgia Purcaro, Marianna Oteri, Giuseppe Micalizzi, Olimpia Musumesci, Annmaria Ciranni, Rosa Maria Di Giorgio, Antonio Toscano, Paola Dugo, Luigi Mondello | 28.00 |
| | Analysis of lipid profile in lipid storage myopathys
J. Chromatogr. B 1029-1030 (2016) 157-168. ISSN 1570-0232. (September 2016, Elsevier, B.V., Amsterdam, The Netherlands). Research article | |
| 431 | Ivana Bonaccorsi, Francesco Cacciola, Margita Utczas, Veronica Infrerra, Daniele Giuffrida, Paola Donato, Paola Dugo, Luigi Mondello | 2.80 |
| | Characterization of the pigment fraction in sweet bell peppers (<i>Capsicum annuum</i> L.) harvested at green and overripe yellow and red stages by offline multidimensional convergence chromatography/liquid chromatography-mass spectrometry
J. Sep. Sci. 39 (2016) 3281-3291. ISSN 1615-306. (September 2016, Wiley-VCH, Weinheim, Germany). Research article | |
| 432 | Giorgia Purcaro, Mariosimone Zoccali, Flavio A. Franchina, Peter Tranchida, L. Mondello | 0.00 |
| | MOSH and MOAH
Chrom+Food Forum 05/2016 (M. Dellert-Ditter). Research article | |
| 433 | C. Fanali, L. Dugo and L. Mondello | 0.00 |
| | Advances in Chromatographic Techniques for Food Authenticity in: Advances in Food Authenticity Testing. Edited by Gerard Downey. ISBN: 978-0-08-100220-9 (pp. 253-284).
Book chapter | |
| 434 | Ambrogina Albergamo, Francesca Rigano, Giorgia Purcaro, Angela Mauceri, Salvatore Fasulo and Luigi Mondello | 8.00 |
| | Free Fatty Acid Profiling of Marine Sentinels by NanoLC-EI-MS for the Assessment of the Environmental Pollution Effects
Sci. Tot. Environ. 571 (2016) 955-962. ISSN: 0048-9697 (November 2016, Elsevier, B.V., Amsterdam, The Netherlands).
Research article | |

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| 435 | <p>Danilo Sciarrone, Sebastiano Pantò, Paola Donato and Luigi Mondello</p> <p>Improving the Productivity of a Multidimensional Chromatographic Preparative System by Collecting Pure Chemicals after Each Chromatographic Dimension.</p> <p>J. Chromatogr. A 1475 (2016) 80-85. ISSN 0021-9673.(December 2016, Elsevier, B.V., Amsterdam, The Netherlands).</p> <p>Research article</p> | 4.00 |
| 436 | <p>Marco Beccaria, Marianna Oteri, Giuseppe Micalizzi, Ivana Lidia Bonaccorsi, Giorgia Purcaro, Paola Dugo, Luigi Mondello</p> <p>Reuse of dairy product: evaluation of the lipid profile evolution during and after their shelf-life</p> <p>Food Anal. Meth. 9 (2016) 3143-3154. ISSN 1618-2650. (November 2016, Springer, New York, USA).</p> <p>Research article</p> | 3.00 |
| 437 | <p>Costa Rosaria, Luigi Mondello</p> <p>Methods in Flavor and Fragrance Analysis</p> <p>Kirk-Othmer Encyclopedia of Chemical Technology. Copyright 2016 John Wiley & Sons, Inc. DOI: 10.1002/0471238961.koe00020.</p> <p>Book chapter</p> | 0.00 |
| 438 | <p>Francesco Cacciola, Sara Farnetti, Paola Dugo, Philip John Marriott, Luigi Mondello</p> <p>Comprehensive Two-dimensional Liquid Chromatography for Polyphenol Analysis in Foodstuffs</p> <p>J. Sep. Sci. 40 (2017) 7–24. ISSN 1615-306. (January 2017, Wiley-VCH, Weinheim, Germany).</p> <p>Review article</p> | 2.80 |
| 439 | <p>Paola Donato, Veronica Inferrera, Danilo Sciarrone, Luigi Mondello</p> <p>Supercritical Fluid Chromatography for Lipid Analysis in Foodstuffs</p> <p>J.Sep. Sci. 40 (2017) 361–382. SSN 1615-306.(January 2017, Wiley-VCH, Weinheim, Germany).</p> <p>Review article</p> | 2.80 |
| 440 | <p>Francesco Cacciola, Paola Donato, Danilo Sciarrone, Paola Dugo, Luigi Mondello</p> <p>Comprehensive Liquid Chromatography and other Liquid- based Comprehensive Techniques Coupled to Mass Spectrometry in FoodAnalysis</p> <p>Anal. Chem. 89 (2017) 414-429. ISSN 0003-2700 (January 2017, American Chemical Society, Washington. D.C., USA).</p> <p>Review article</p> | 6.70 |
| 441 | <p>Tânia Gomes, Ambrogina Albergamo, Rosaria Costa, Luigi Mondello, Giacomo Dugo</p> <p>Potential Use of Proteomics in Shellfish Aquaculture: from Assessment of Environmental Toxicity to Evaluation of Seafood Quality and Safety.</p> <p>Curr. Org. Chem. 21 (2017) 402-425. ISSN: 1385-2728 (Februray 2017, Bentham Science Publishers, Sharjah, United Arab Emirates). Research article</p> | 1.90 |

- 442 R. Costa, A. Albergamo, M. Piparo, G. Zacccone, G. Capillo, A. Manganaro, P. Dugo, L. Mondello 1.80
Multidimensional gas chromatographic techniques applied to the analysis of lipids from wild-caught and farmed marine species
Eur. J. Lip. Sci. Technol. 119 (2017) 1600043. ISSN: 1438-9312. (Februray 2017, Bentham Science Publishers, Sharjah, United Arab Emirates).
- 443 Luisa Schipilliti, Giorgia Purcaro, Ivana Lidia Bonaccorsi, Luigi Mondello 2.00
Characterization of natural vanilla flavour in foodstuff by HS-SPME and GC-C- IRMS
Flavour Fragr. J., 2012, 27, 98-123. ISSN 0882-5734 (March 2017, John Wiley & Sons LTD, Devon, England, UK).
Research article
- 444 Laura Barp, Flavio A. Franchina, Giorgia Purcaro, Peter Q. Tranchida, Luigi In- 6.10
Mondello
pipette solid-phase extraction prior to flow-modulation comprehensive two- dimensional gas chromatography with dual detection for the determination of minor components in vegetable oils
Talanta 165 (2017) 598–603. ISSN 0039-9140.(April 2017, Elsevier, B.V.,Amster- dam, The Netherlands).
Research article
- 445 Mariosimone Zoccali, Peter Q. Tranchida, Ivana L. Bonaccorsi, Paola Dugo, Luigi 3.00
Mondello and Giovanni Dugo
Detailed analysis of the volatile fraction of mandarin essential oils by using the off- line combination of high performance liquid chromatography and com- prehensive gas chromatography-mass spectrometry
Food Anal. Meth. 110 (2017) 1106-1116. ISSN 1618-2650. (April 2017, Springer, New York, USA). Research article
- 446 Paola Donato, Francesca Rigano, Francesco Cacciola, Paola Dugo, Luigi Mon- 0.00
dello
Determination of Bioactive Polyphenols and Target Contaminants in Wine by the Nexera-e
Food Lab. Int. 1 (2017) 20-23. (April 2017, Shimadzu Europa GmbH, Duisburg, Germany).
Research article
- 447 Mariosimone Zoccali, Kevin A. Schug, Phillip Walsh, Jonathan Smuts and Luigi 4.00
Mondello
FLOW-MODULATED COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY COMBINED WITH A VACUUMULTRAVIOLET DETECTOR FOR THE ANALYSIS OF COMPLEX MIXTURES
J. Chromatogr. A 1497 (2017) 135-147. ISSN 0021-9673. (May 2017, Elsevier, B.V., Amsterdam, The Netherlands). Research article

- 448 Peter Q. Tranchida, Flavio A. Franchina, Luigi Mondello 2.00
Analysis of essential oils through comprehensive two-dimensional gas chromatography: General utility
Flavour Fragr J. 32 (2017) 218-227. ISSN 0882-5734 (July 2017, John Wiley & Sons, Ltd, West Sussex, UK). Review article
- 449 0.00
Thiago Rodrigues Bjerk, Maria Elisabete Machado, Elina Bastos Caramão, Peter Q. Tranchida, Luigi Mondello, Claudia Alcaraz Zini
Moduladores de Fluxo para Cromatografia Gasosa Bidimensional Abrangente Flow Modulators in Comprehensive Two-Dimensional Gas Chromatography. Scientia Chromatographica <http://dx.doi.org/10.4322/sc.2017.009>. 9(2):101-116. ISSN 1984-4433.
Review article
- 450 Francesco Cacciola, Marina Russo, Luigi Mondello, Paola Dugo Comprehensive two-dimensional liquid chromatography (Chapter 16) in Handbooks in Separation Science. Colin F. Poole, Series Editor. Volume 1. 2017. Liquid Chromatography: Fundamentals and Instrumentation, Second Edition. Editors: S. Fanali, P.R. Haddad, C.F. Poole, M.-L. Riekkola. Elsevier (Amsterdam, The Netherlands). ISBN: 978-0-12-805393-5. Book chapter 0.00
- 451 Francesco Cacciola, Mariaros Maimone, Paola Dugo, Luigi Mondello 0.00
Green sample-preparation techniques in comprehensive two-dimensional chromatography (Chapter 19) in Comprehensive Analytical Chemistry. Wilson & Wilson's. 2017. Edited by D. Barcelò. Green Sample Preparation Techniques: Principles, Advances and Applications. Volume Editors: E. Ibanez, A. Cifuentes. Elsevier (Amsterdam, The Netherlands). ISBN: 978-0-12-811082-9. 2018 Book chapter
- 452 Marco Beccaria, Veronica Infrerra, Francesca Rigano, Krzysztof Gorynski, Giorgia Purcaro, Paola Dugo, Luigi Mondello 4.00
Highly informative multiclass profiling of lipids by ultra-high performance liquid chromatography – Low resolution (quadrupole) mass spectrometry by using electrospray ionization and atmospheric pressure chemical ionization interfaces
J. Chromatogr. A 1509 (2017) 69-82. ISSN 0021-9673. (August 2017, Elsevier, B.V., Amsterdam, The Netherlands).
Research article
- 453 Katarzyna Barbara Baczek, Olga Kosakowska, Jarosław L. Przybył, Ewelina Pióro-Jabruck, Rosaria Costa, Luigi Mondello, Małgorzata Gniewosz, Alicja Synowiec, Zenon Węglarz 6.20
Antibacterial and antioxidant activity of essential oils and extracts from costmary (Tanacetum balsamita L.) and tansy (Tanacetum vulgare L.)
Ind. Crop. Prod. 102 (2017) 154-163. ISSN: 0926-6690 (August 2017, Elsevier, B.V., Amsterdam, The Netherlands).
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| 454 | Mariosimone Zoccali, Giorgia Purcaro, Antonino Schepis, Peter Q. Tranchida, Luigi Mondello
Evaluation of two miniaturized QuEChERS Methodologies prior to the fast gas chromatography-triple quadrupole mass spectrometry determination of pesticides in different vegetables
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| 455 | N. Miceli, A. Filocamo, S. Ragusa, F. Cacciola, P. Dugo, L. Mondello, R. F. De Rose, G. E. Lombardo, M. F. Tavano
Isatis tinctoria L. (Brassicaceae): Chemical characterization, cytotoxic and antioxidant effects of phenolic-rich fraction from cauline leaves
Chem. Biodivers. 14 (8) e1700073. ISSN: 1612-1880. (August 2017, John Wiley & Sons, Ltd, West Sussex, UK).
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| 456 | Daniele Giuffrida, Mariosimone Zoccali, Salvatore V. Giofrè, Paola Dugo, and Luigi Mondello
Apocarotenoids determination in Capsicum chinense Jacq. cv Habanero by supercritical fluid chromatography-mass spectrometry
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| 457 | Francesco Cacciola, Paola Donato, Luigi Mondello, Paola Dugo
RECENT ADVANCES IN COMPREHENSIVE TWO-DIMENSIONAL LIQUID CHROMATOGRAPHY FOR THE ANALYSIS OF NATURAL PRODUCTS (Chapter 8) in Handbook of Advanced Chromatography-Mass Spectrometry Techniques. 2017. Edited by Micheal Holcapek and Wm. Craig Byrdwell. Press (London, United Kingdom). ISBN: 978-0-12-811732-3.
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- 473 Jozef Kovacik, Vojtěch Antoš, Giuseppe Micalizzi, Slawomir Dresler, Pavel Hrabák, Luigi Mondello 11.30
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J. Hazard. Mat. 347 (2018) 168-175. ISSN: 0304-3894. (April 2018, Elsevier, B.V., Amsterdam, The Netherlands).
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- 474 Mariosimone Zoccali, Simone Cappello, Luigi Mondello 4.00
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- 476 Francesco Cacciola, Paola Dugo, Luigi Mondello 0.00
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- 477 Mariosimone Zoccali, Luigi Mondello 0.00
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- 478 Daniele Giuffrida, Mariosimone Zoccali, Adriana Arigò, Francesco Cacciola, Coralia Osorio Roa, Paola Dugo, Luigi Mondello 3.00
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- 480 Maria Fernanda Taviano, Khaled Rashed, Angela Filocamo, Francesco Cacciola, Paola Dugo, Luigi Mondello, Carlo Bisignano, Rosaria Acquaviva, Natalizia Miceli 0.00
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- 481 Francesco Cacciola, Domenica Mangraviti, Francesca Rigano, Paola Donato, Paola Dugo, Luigi Mondello, Hernan J.Cortes 3.80
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- 482 Marina Russo, Chiara Fanali, Giusy Tripodo, Paola Dugo Rosario Muleo, Laura Dugo, Laura De Gara, Luigi Mondello 3.80
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- 484 M. F. Taviano, A. Filocamo, S. Ragusa, F. Cacciola, P. Dugo, L. Mondello, G. Paterniti Mastrazzo, R. F. De Rose, M. Celano, G. E. Lombardo, A. Melchini, N. Miceli Phenolic profile, antioxidant and cytotoxic properties of polar extracts from leaves and flowers of *Isatis tinctoria* L. (Brassicaceae) growing in Sicily
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- 485 D. De Pasquale, I. Aloisi, P. Q. Tranchida, L. Mondello, G. Paterniti, R. Sano- go, F. Occhiuto 0.00
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- 487 Peter Q. Tranchida, Ivan Aloisi, Barbara Giocastro, Luigi Mondello Current state of comprehensive two-dimensional gas chromatography-mass spectrometry with focus on process of ionization 12.00
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- 488 S. Boussahel, F.Cacciola, S. Dahamna, L.Mondello, A. Sajia, F.Cimino, 1.60
A. Speciale, M. Cristani
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- 489 Yong Foo Wong, Francesco Cacciola, Soraya Fermas, Solange Riga, Darryl James, 2.50
Valeria Manzin, Brice Bonnet, Philip John Marriott, Paola Dugo, Luigi Mondello
Untargeted profiling of Glycyrrhiza glabra with comprehensive two-di- mensional
liquid chromatography-mass spectrometry using multi-seg- mented shift gradients in
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Marina Russo, Paola Dugo, Chiara Fanali, LauraDugo, Mariosimone Zoc- cali, Luigi
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- 497 Jozef Kovacik, Giuseppe Micalizzi, Luigi Mondello, Alexander Chemodanov, Sławomir Dresler, Juraj Hladky, Petr Babula Metabolic responses of marine alga *Ulva compressa* to single and combined heavy metals *Chemosphere* 213 (2018) 384-394. ISSN 0045-6535. (December 2018, Elsevier, B.V., Amsterdam, The Netherlands). Research article 8.10
- 498 Federico Vita, Flavio Antonio Franchina, Cosimo Taiti, Vittoria Locato, Giorgio Pennazza, Marco Santonico, Giorgia Purcaro, Laura De Gara, Stefano Mancuso, Luigi Mondello, Amedeo Alpi Environmental conditions influence the biochemical properties of the fruiting bodies of *Tuber magnatum* Pico *Sci. Rep.* 8 (2018) 7243. ISSN: 2045-2322. (December 2018, Nature Publishing Group, London, UK). Research article 3.90
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| 500 | Zarai Zied, Ahlem Edahech, Francesca Rigano, Giuseppe Micalizzi, Luigi Mondello, Nadia Kharrat, Mohamed Sellami, Francesco Cacciola Monoacylglycerol and diacylglycerol production by hydrolysis of refined vegetable oil by-products using an immobilized lipase from <i>Serratia</i> sp.W3
J. Sep. Sci. 41 (2018) 4323–4330. ISSN:1615-306. (December 2018, Wiley-VCH, Weinheim, Germany). Research article | 2.80 |
| 501 | Chiara Fanali, Susanna Della Posta, Alessandra Vilmercati, Laura Dugo, Marina Russo, Tommasangelo Petitti, Luigi Mondello, Laura de Gara Extraction, Analysis, and Antioxidant Activity Evaluation of Phenolic Compounds in Different Italian Extra-Virgin Olive Oils
Molecules 23 (2018) 3249. ISSN: 1420-3049. (December 2018, MDPI AG, Basel, Switzerland). Research article | 4.60 |
| 502 | Paola Donato, Danilo Sciarrone, Paola Dugo, Luigi Mondello Applications of Supercritical Fluid Chromatography in the Field of Edible Lipids (Chapter 7) In book: Supercritical Fluid Chromatography, pp.163-188, Vol. 2 (December 2018) Editor: Gerard Rosse (De Gruyter, Berlin, Germany). ISBN: 978-0-444-63914-1. Book chapter | 0.00 |
| 503 | L. Schipilliti , I. Bonaccorsi, A. G. Buglia, L. Mondello
Comprehensive Isotopic Data Evaluation (CIDE) of Carbon Isotope Ratios for Quality Assessment and Traceability of Coffee
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Chemical composition of the essential oil of the 2 endemic species <i>Micromeria frivaldszkyana</i> (Degen) Velen.
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| 505 | Francesca Rigano, Sara Stead, Domenica Mangraviti, Renata Jandova, Davy Petit, Nino Marino, Luigi Mondello
Use of an Intelligent Knife (iknife), Based on the Rapid Evaporative Ionization Mass Spectrometry Technology, for Authenticity Assessment of Pistachio Samples
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| 506 | Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
On-line liquid chromatography-comprehensive two dimensional gas chromatography with dual detection for the analysis of mineral oil and synthetic hydrocarbons in cosmetic lip care products
Anal. Chim. Acta 1048 (2019) 221-226. ISSN: 0003-2670. (February 2019, Elsevier, B.V., Amsterdam, The Netherlands). Research article | 6.00 |

- 507 Jozef Kováčik, Sławomir Dresler, Giuseppe Micalizzi, Petr Babula, Juraj Hladký, Luigi Mondello 3.20
Nitric oxide affects cadmium-induced changes in the lichen *Ramalina farinacea*
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- 508 Mariosimone Zoccali, Barbara Giocastro, Peter Q. Tranchida, Luigi Mondello 2.80
Use of a recently-developed thermal modulator within the context of comprehensive two-dimensional gas chromatography combined with time-of-flight mass spectrometry: gas flow optimization aspects
J. Sep. Sci. 41 (2019) 691-699. ISSN:1615-306. (February 2019, Wiley-VCH, Weinheim, Germany). Research article
- 509 Luisa Schipilliti, Ivana L. Bonaccorsi, Luigi Mondello 2.10
Carbon Isotope Ratios of Selected Volatiles of Authentic Petitgrain Oils
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Comprehensive two-dimensional gas chromatography-massspectrometry using milder electron ionization conditions: Apreliminary evaluation
J. Chromatogr. A 1589 (2019) 134-140. ISSN 0021-9673 (March 2019, Elsevier, B.V., Amsterdam, The Netherlands). Research article
- 511 Adam T. Woolley, Antje J. Baeumner, Maria C. Moreno-Bondi, Luigi Mondello 3.80
Introducing three new ABC Editors
Anal. Bioanal. Chem. ISSN: 1618-2650. (March 2019, Springer, New York, USA). Editorial
- 512 Carlo Bisignano, Giovanna Ginestra, Antonella Smeriglio, Erminia La Camera, Giuseppe Crisafi, Flavio A. Franchina, Peter Q. Tranchida, Angela Alibrandi, Domenica Trombetta, Luigi Mondello, Giuseppina Mandalari 4.60
Study of the lipid profile of ATCC and clinical strains of *Staphylococcus aureus* in relation to their antibiotic resistance
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- 513 Natalizia Miceli, Emilia Cavò, Salvatore Ragusa, Francesco Cacciola, Paola Dugo, Luigi Mondello, Andreana Marino, Fabrizio Cincotta, Concetta Condurso, Maria Fernanda Taviano 2.50
Phytochemical characterization and biological activities of a hydroalcoholic extract obtained from the aerial parts of *Matthiola incana* (L.) R. Br. subsp. *incana* (Brassicaceae) growing wild in Sicily (Italy) Chem. Biodivers. 16 (4) e1800677. ISSN: 1612-1880. (April 2019, John Wiley & Sons, Ltd, West Sussex, UK).
Research article

- 514 Sonia Hamiche, Abdelmalek Badis, Bassem Jaouadi, Naima Bouzidi, Yasmina Daghbouche, Margita Utczas, Luigi Mondello, El Hattab Mohamed
Identification of antimicrobial volatile compounds produced by the marine bacterium *Bacillus amyloliquefaciens* strain S13 newly isolated from brown alga *Zonaria tournefortii*
J. Essent. Oil Res. 31 (2019) 203-210. ISSN 2163-8152 (May 2019, Taylor and Francis group, London, United Kingdom). Research article 2.10
- 515 Matteo Bordiga, Fabiano Travaglia, Daniele Giuffrida, Domenica Mangraviti, Francesca Rigano, Luigi Mondello, Marco Arlorio, Jean Daniel Coisson
Characterization of peel and pulp proanthocyanidins and carotenoids during ripening in persimmon “Kaki Tipo” cv, cultivated in Italy
Food Res. Int. 120 (2019) 800-809. ISSN: 0963-9969. (June 2019, Elsevier, B.V., Amsterdam, The Netherlands). Research article 8.00
- 516 Katia Arena, Francesco Cacciola, Domenica Mangraviti, Mariosimone Zoccali, Francesca Rigano, Nino Marino, Paola Dugo, Luigi Mondello
Determination of the polyphenolic fraction of *Pistacia vera* L. kernel extracts by comprehensive two-dimensional liquid chromatography coupled to mass spectrometry detection
Anal. Bioanal. Chem. 411 (2019) 4819-4829. ISSN: 1618-2650. (July 2019, Springer, New York, USA). Research article 3.80
- 517 Mariosimone Zoccali, Daniele Giuffrida, Fabio Salafia, Carmen Socaciu, Kari Skjånes, Paola Dugo, Luigi Mondello
First Apocarotenoids Profiling of Four Microalgae Strains
Antioxidants 8 (2019) 209. ISSN 2076-3921. (July 2019, MDPI AG, Basel, Switzerland). Research article 6.60
- 518 Mariosimone Zoccali, Paola Donato, Luigi Mondello
Recent Advances in the Coupling of Carbon Dioxide-Based Extraction and Separation Techniques
TRAC-Trend Anal. Chem. 116 (2019) 158-165. ISSN: 0165-9936. July 2019, Elsevier, B.V., Amsterdam, The Netherlands). Review article 12.00
- 519 Jitka Klikarovà, Archimede Rotondo, Francesco Cacciola, Lenka Česlovà, Paola Dugo, Luigi Mondello, Francesca Rigano
Complementary analytical approaches for the elucidation of the phenolic fraction of extra virgin olive oils
Food Anal. Meth. 12 (2019) 1759-1770. ISSN: 1618-2650. (August 2019, Springer, New York, USA). Research article 3.00
- 520 Danilo Sciarrone, Antonino Schepis, Gemma De Grazia, Archimede Rotondo, Filippo Alibrando, Humberto Bizzo, Cicero Deschamps, Leonard M. Sidisky, Luigi Mondello
Collection and identification of an unknown component from *Eugenia uniflora* essential oil exploiting a multidimensional preparative three- GC system employing apolar, mid-polar, and ionic liquid stationary phases
Faraday Disc. 218 (2019) 101-114. ISSN: 1359-6640. (August 2019, Royal Society of Chemistry, London, UK). Research article 3.10

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| 521 | Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello | 12.00 |
| | Fast gas chromatography-mass spectrometry: a review of the last decade TRAC-Trend Anal. Chem. 118 (2019) 444-452. ISSN 0165-9936.
September 2019, Elsevier, B.V., Amsterdam, The Netherlands).
Review article | |
| 522 | Francesca Rigano, Peter Q. Tranchida, Paola Dugo, Luigi Mondello | 12.00 |
| | High-performance liquid chromatography combined with electron ionization mass spectrometry: A review TRAC-Trend Anal. Chem. 118 (2019) 112-122. ISSN 0165-9936.
September 2019, Elsevier, B.V., Amsterdam, The Netherlands). Review article | |
| 523 | Adriana Arigò, Francesca Rigano, Giuseppe Micalizzi, Paola Dugo, Luigi Mondello | 2.00 |
| | Oxygen Heterocyclic Compound Screening in Citrus Essential Oils by Linear Retention Index Approach Applied to Liquid Chromatography Coupled to Photodiode Array Detector
Flav. Fragr. J. 34 (2019) 349-364. ISSN 0882-5734 (September 2019, John Wiley & Sons LTD, West Sussex, UK). Research article | |
| 524 | Francesca Rigano, Domenica Mangraviti, Sara Stead, Nathaniel Martin, Davy Petit, Paola Dugo, Luigi Mondello | 3.80 |
| | Rapid evaporative ionization mass spectrometry coupled with an electrosurgical knife for the rapid identification of Mediterranean Sea species
Anal. Bioanal. Chem. 411 (2019) 6603-6614. ISSN 1618-2650.
(October 2019, Springer, New York, USA). Research article | |
| 525 | Yassine Oulad El Majdoub, Mohammed Diouri, Paola Arena, Adriana Arigò, Francesco Cacciola, Francesca Rigano, Paola Dugo, Luigi Mondello | 3.20 |
| | Evaluation of the availability of delphinidin and cyanidin-3-O-sambubioside from Hibiscus sabdariffa and 6-gingerol from Zingiber officinale in colon using liquid chromatography and mass spectrometry detection
Eur. Food Res. Technol. 245 (2019) 2425-2433. ISSN 1438-2377.
(November 2019, Springer, New York, USA). Research article | |
| 526 | Imane Haoujar, Francesco Cacciola, Jamal Abrini, Domenica Mangraviti, Daniele Giuffrida, Yassine Oulad El Majdoub, Ayoub Kounnoun, Natalizia Miceli, Maria Fernanda Taviano, Luigi Mondello, Francesca Rigano, Nadia Skali Senhaji | 4.60 |
| | The Contribution of Carotenoids, Phenolic Compounds, and Flavonoids to the Antioxidative Properties of Marine Microalgae Isolated from Mediterranean Morocco
Molecules 24 (2019) 4037. ISSN 1420-3049 (November 2019, MDPI AG, Basel, Switzerland). Research article | |
| 527 | Mariosimone Zoccali, Barbara Giocastro, Ivana L. Bonaccorsi, Alessandra Trozzi, Peter Q. Tranchida, Luigi Mondello | 5.10 |
| | In-depth qualitative analysis of lime essential oils by using the off-line combination of comprehensive two-dimensional gas chromatography- quadrupole mass spectrometry
Foods 8 (2019) 580. ISSN 2304-8158. (November 2019, MDPI AG, Basel, Switzerland). Research article | |

- 528 Daniella C. Murador, Fabio Salafia, Mariosimone Zoccali, Paula L.G. Martins, Antonio G. Ferreira, Paola Dugo, Luigi Mondello, Veridiana V. de Rosso, Daniele Giuffrida 6.60
Green extraction approaches for carotenoids and esters: characterization of native composition from orange peel
Antioxidants 8 (2019) 613. ISSN 2076-3921. (November 2019, MDPI AG, Basel, Switzerland).
Research article
- 529 Daniele Giuffrida, Francesco Cacciola, Paula Mapelli-Brahm, Carla M. Stinco, Paola Dugo, Marianna Oteri, Luigi Mondello, Antonio J. Melendez-Martinez 9.80
Free carotenoids and carotenoids esters composition in Spanish orange and mandarin juices from diverse varieties
Food Chem. 300 (2019) 125-139. ISSN 0308-8146. (December 2019, Elsevier, B.V., Amsterdam, The Netherlands). Research article
- 530 Mohti H., Taviano M.F., Cacciola F., Dugo P., Mondello L., Marino A., Crisafi G., Benameur Q., Zaid A., Miceli N. 1.60
Inula viscosa (L.) Aiton leaves and flower buds: Effect of extraction solvent/technique on their antioxidant ability, antimicrobial properties and phenolic profile
Nat. Prod. Res. 34 (2020) 46-52. ISSN 1478-6419. (January 2020, Taylor and Francis group, London, United Kingdom).
Research article
- 531 Marina Russo, Francesco Cacciola, Katia Arena, Domenica Mangraviti, Laura de Gara, Paola Dugo, Luigi Mondello 1.60
Characterization of the polyphenolic fraction of pomegranate samples by comprehensive two-dimensional liquid chromatography coupled to mass spectrometry detection
Nat. Prod. Res. 34 (2020) 39-45. ISSN 1478-6419. (January 2020, Taylor and Francis group, London, United Kingdom).
Research article
- 532 Daniele Giuffrida, Christophe Monnet, Florence Laurent, Francesco Cacciola, Marianna Oteri, Mélanie Le Piver, Yanis Caro, Paola Donato, Luigi Mondello, Daniel Roueyre, Laurent Dufossé 1.60
Carotenoids from the ripening bacterium *Brevibacterium linens* impart color to the rind of the French cheese, Fourme de Montbrison (PDO) Nat. Prod. Res. 34 (2020) 10-15. ISSN 1478-6419. (January 2020, Taylor and Francis group, London, United Kingdom).
Research article
- 533 Yanis Caro, Thomas Petit, Isabelle Grondin, Patricia Clerc, Hermann Thomas, Daniele Giuffrida, Barbara Giocastro, Peter Q. Tranchida, Ivan Aloisi, Daniella Murador, Luigi Mondello, Laurent Dufossé 1.60
Chemical characterization of unconventional palm oils from *Hyophorbe indica* and two other endemic Arecaceae species from Reunion Island
Nat. Prod. Res. 34 (2020) 93-101. ISSN 1478-6419. (January 2020, Taylor and Francis group, London, United Kingdom). Research article

- 534 El Hattab Mohamed, Nacera Riad, Zahi Reda, Emanuela Trovato, Naima El hattab, Yasmina Daghbouche, Margita Utcz s, Luigi Mondello Chemical screening and antibacterial activity of essential oil and volatile fraction of *Dictyoopteris polypodioides* *Microchem. J.* 152 (2020) 104415. ISSN: 0026-265X. (January 2020, Elsevier, B.V., Amsterdam, The Netherlands). 5.10
- 535 Giuffrida D., Zoccali M., Mondello L. (2020). Chapter 16: Carotenoid and Apocarotenoid Analysis by SFE-SFC-QqQ/MS, p.209-219. In: Rodr guez-Concepci n M., Welsch R. (eds) *Plant and Food Carotenoids. Methods in Molecular Biology*, vol 2083. Humana, New York, NY. ISBN: 978-1-4939-9951-4. 0.00
- 536 Francesca Rigano, Marina Russo, Adriana Arig , P. Dugo, L. Mondello Combining Linear Retention Index and Electron Ionization Mass Spectrometry for a Reliable Identification in Nano Liquid Chromatography *J. Chromatogr. A* 1610 (2020) 460581. ISSN: 0021-9673 (January 2020, Elsevier, B.V., Amsterdam, The Netherlands). Research article 4.00
- 537 Federico Vita, Beatrice Giuntoli, Edoardo Bertolini, Cosimo Taiti, Elettra Marone, Chiara D'Ambrosio, Emanuela Trovato, Danilo Sciarrone, Mariosimone Zoccali, Raffaella Balestrini, Andrea Scaloni, Luigi Mondello, Stefano Mancuso, Massimo Alessio, Amedeo Alpi Tuberomics: A new omic profiling for the adaption of edible fungi (*Tuber magnatum* Pico) to different natural environments *BMC Genomics* 21 (2020) 90. ISSN: 1471-2164 (January 2020, BMC Campus, London, England). Research article 3.70
- 538 Roc  Gallego, Katia Arena, Paola Dugo, Luigi Mondello, Elena Ib  ez, Miguel Herrero Application of compressed fluid-based extraction and purification procedures to obtain astaxanthin-enriched extracts from *Haematococcus pluvialis* and characterization by comprehensive two-dimensional liquid chromatography coupled to mass spectrometry *Anal. Bional. Chem.* 412 (2020) 589-599. ISSN 1618-2650. (January 2020, Springer, New York, USA). Research article 3.80
- 539 Peter Q. Tranchida, Luigi Mondello "High-speed Gas Chromatography: Basic Theory, General Principles, Practical Aspects and Food Analysis" in *Advanced Gas Chromatography in Food Analysis*. P.Q. Tranchida (Ed) pp. 169-198. ISBN 9781788011273. (2020, The Royal Society of Chemistry, London, UK). Book chapter 0.00
- 540 Peter Q. Tranchida, Luigi Mondello "Comprehensive Two-dimensional Gas Chromatography" in *Advanced Gas Chromatography in Food Analysis*. P.Q. Tranchida (Ed) pp. 237-282. ISBN 9781788011273. (2020, The Royal Society of Chemistry, London, UK). Book chapter 0.00

- 541 Giuseppe Micalizzi, Emanuela Ragosta, Sara Farnetti, Paola Dugo, Peter Q. Tranchida, Luigi Mondello, Francesca Rigano 3.80
Rapid and miniaturized qualitative and quantitative gas chromatography profiling of human blood fatty acids
Anal. Bioanal. Chem. 412 (2020) 2327–2337 (2020). ISSN 1618-2650.
(January 2020, Springer, New York, USA). Research article
- 542 Marina Russo, Maria Beatrice Ronci, Alessandra Vilmercati, Matteo Gionfriddo, Chiara Fanali, Laura Dugo, Vittoria Locato, Luigi Mondello, Laura De Gara 3.20
African baobab (*Adansonia digitata*) fruit as promising source of procyanidins
Eur. Food Res. Technol. 246 (2020) 297–306. ISSN 1438-2377.
(February 2020, Springer, New York, USA). Research article
- 543 Mariosimone Zoccali, Daniele Giuffrida, Roberta Granese, Fabio Salafia, Paola Dugo, Luigi Mondello 3.80
Free apocarotenoids and apocarotenoids esters determination in human colostrum
Anal. Bioanal. Chem. 412 (2020) 1335–1342. ISSN 1618-2650.
(February 2020, Springer, New York, USA). Research article
- 544 Zied Zarai, Ahlem Edahech, Francesca Rigano, Marianna Oteri, Giuseppe Micalizzi, Luigi Mondello, Francesco Cacciola Characterization of monoacylglycerols and diacylglycerols rich in polyunsaturated fatty acids produced by hydrolysis of *Mustelus mustelus* liver oil catalyzed by an immobilized bacterial lipase 4.00
J. Chromatogr. A 1613 (2020) 460692. ISSN 0021-9673 (February 2020, Elsevier, B.V., Amsterdam, The Netherlands). Research article
- 545 Katia Arena, Francesca Rigano, Domenica Mangraviti, Francesco Cacciola, Francesco Occhiuto, Paola Dugo and Luigi Mondello Exploration of Rapid Evaporative-Ionization Mass Spectrometry as a Shotgun Approach for the Comprehensive Characterization of *Kigelia Africana* (Lam) Benth. Fruit 4.60
Molecules 25 (2020) 962. ISSN 1420-3049 (February 2020, MDPI AG, Basel, Switzerland). Research article
- 546 Katia Arena, Francesco Cacciola, Laura Dugo, Paola Dugo, Luigi Mondello 4.60
Determination of the metabolite content of *Brassica juncea* cultivars by comprehensive two-dimensional liquid chromatography coupled to photodiode array and mass spectrometry detection
Molecules 25 (2020) 1235. ISSN 1420-3049 (March 2020, MDPI AG, Basel, Switzerland). Research article
- 547 Natalizia Miceli, Emilia Cavo, Monica Ragusa, Francesco Cacciola, Luigi Mondello, Laura Dugo, Rosanna Aquaviva, Giuseppe Antonio Malfa, Andreana Marino, Manuela D. Arrigo, Maria Fernanda Taviano *Brassica incana* Ten. (Brassicaceae): Phenolic Constituents, Antioxidant and Cytotoxic Properties of the Leaf and Flowering Top Extracts 4.60
Molecules 25 (2020) 1461. ISSN 1420-3049 (March 2020, MDPI AG, Basel, Switzerland). Research article

- 548 Cristina Malegori, Eleonora Mustorgi, Monica Casale, Paolo Oliveri, Maryam Hooshyari, Luigi Mondello, Marianna Oteri, Hayette Bounneche
A chemometric strategy to evaluate the comparability of PLS models obtained from two analytical settings in the determination of EVOO quality parameters by NIR spectroscopy
Chemometr. Intell. Lab. Syst. 199 (2020) 103974. ISSN: 0169-7439. (April 2020, Elsevier, B.V., Amsterdam, The Netherlands).
Research article 3.80
- 549 Ivan Aloisi, Tiago Schena, Barbara Giocastro, Mariosimone Zoccali, Peter Q. Tranchida, Elina Bastos Caramão and Luigi Mondello Towards the determination of an equivalent standard column set between cryogenic and flow-modulated comprehensive two-dimensional gas chromatography
Anal. Chim. Acta 110 (2020), 231-236. ISSN 0003-2670. (February 2012, Elsevier, B.V., Amsterdam, The Netherlands). Reserch article 6.00
- 550 Peter Q. Tranchida, Ivan Aloisi, Luigi Mondello
Recent application and instrumental trends in comprehensive two- dimensional gas chromatography
LC GC Eur. 33, 172-178. ISSN 1471-6577 (April 2020, Multimedia UK, Cheshire, UK). 0.30
- 551 Laura Dugo, Marina Russo, Francesco Cacciola, Filippo Mandolfino, Fabio Salafia, Alessandra Vilmercati, Chiara Fanali, Monica Casal, Laura De Gara, Paola Dugo, Luigi Mondello, Francesca Rigano Detrmination of the Phenol and Tocopherol Content in Italian High- Quality Extra-Virgin Olive Oils by Using LC-MS and Mulivariate Data Analysis
Food Anal. Meth. 13 (2020) 1027-1041. ISSN: 1618-2650. (April 2020, Springer, New York, USA).
Research article 3.00
- 552 Peter Q. Tranchida, Luigi Mondello “Conventional GC-MS applications”
In “Hyphenations of capillary chromatography with mass spectrometry”
P.Q. Tranchida, L. Mondello (Eds) pp. 75-108 ISBN 9780128096383 (2020 Elsevier)
Book chapter 0.00
- 553 Peter Q. Tranchida, Mariosimone Zoccali, Luigi Mondello
“High-speed GC-MS: basic theory, practical aspects, and applications” In
“Hyphenations of capillary chromatography with mass spectrometry”
P.Q. Tranchida, L. Mondello (Eds) pp. 109-132 ISBN 9780128096383 (2020 Elsevier)
Book chapter 0.00
- 554 Peter Q. Tranchida, Luigi Mondello “Comprehensive 2D gas chromatography”
In “Hyphenations of capillary chromatography with mass spectrometry”
P.Q. Tranchida, L. Mondello (Eds) pp. 183-226 ISBN 9780128096383 (2020 Elsevier)
Book chapter 0.00

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| 555 | <p>Paola Donato, Paola Arena, Luigi Mondello</p> <p>“Theoretical and practical aspects of LC-MS analysis”</p> <p>In “Hyphenations of capillary chromatography with mass spectrometry”</p> <p>P.Q. Tranchida, L. Mondello (Eds) pp. 297-317 ISBN 9780128096383 (2020 Elsevier)</p> <p>Book chapter</p> | 0.00 |
| 556 | <p>Francesco Cacciola, Domenica Mangraviti, Luigi Mondello, Paola Dugo</p> <p>“Hyphenations of 2D capillary-based LC with mass spectrometry”</p> <p>In “Hyphenations of capillary chromatography with mass spectrometry”</p> <p>P.Q. Tranchida, L. Mondello (Eds) pp. 369-412. ISBN 9780128096383 (2020 Elsevier)</p> <p>Book chapter</p> | 0.00 |
| 557 | <p>Peter Q. Tranchida, Luigi Mondello “Detectors and basic data analysis”</p> <p>In “Basic multidimensional gas chromatography”. N.H. Snow (Ed) pp. 205-227. ISBN 9780128137451 (2020 Academic Press)</p> <p>Book chapter</p> | 0.00 |
| 558 | <p>Ivan Aloisi, Mariosimone Zoccali, Peter Q. Tranchida and Luigi Mondello</p> <p>Analysis of organic sulphur compounds in coal tar by using comprehensive two-dimensional gas chromatography-high resolution time-of-flight mass spectrometry</p> <p>Separations, 7, 26 (2020). ISSN 2297-8739 (May 2020, MDPI AG, Basel, Switzerland)</p> | 2.70 |
| 559 | <p>Katia Arena, Francesco Cacciola, Francesca Rigano, Paola Dugo, Luigi Mondello</p> <p>Evaluation of matrix effect in one-dimensional and comprehensive two-dimensional liquid chromatography for the determination of the phenolic fraction in extra virgin olive oils</p> <p>J. Sep. Sci. 43 (2020) 1781-1789. ISSN 1615-306. (May 2020, Wiley-VCH, Weinheim, Germany).</p> <p>Research article</p> | 2.80 |
| 560 | <p>Francesca Rigano, Marianna Oteri, Giuseppe Micalizzi, Domenica Mangraviti, Paola Dugo, Luigi Mondello</p> <p>Lipid profile of fish species by liquid chromatography coupled to mass spectrometry and a novel linear retention index database</p> <p>J. Sep. Sci. 43 (2020) 1773-1780. ISSN 1615-306. (May 2020, Wiley-VCH, Weinheim, Germany). Research article</p> | 2.80 |
| 561 | <p>Sourav Das, Barbara Vörös-Horváth, Tímea Bencsik, Giuseppe Micalizzi, Luigi Mondello, Györgyi Horváth, Tamás Koszegi, Aleksandar Széchenyi</p> <p>Antimicrobial Activity of Different Artemisia Essential Oil Formulations</p> <p>Molecules 25 (2020) 2390. (May 2020, MDPI AG, Basel, Switzerland). Research article</p> | 4.60 |
| 562 | <p>Francesco Cacciola, Francesca Rigano, Paola Dugo, Luigi Mondello</p> <p>Comprehensive two-dimensional liquid chromatography as a powerful tool for the analysis of food and food products</p> <p>TrAC-Trend Anal. Chem 127 (2020) 115894. ISSN 0165-9936. (June 2020, Elsevier, B.V., Amsterdam, The Netherlands).</p> <p>Review article</p> | 12.00 |

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| 563 | Jitka Klikarová, Lenka Česlová, Petra Kalendová, Paola Dugo, Luigi Mondello.,
Francesco Cacciola
Evaluation of Italian extra virgin olive oils based on the phenolic compounds
composition using multivariate statistical methods
Eur. Food Res. Technol. 246 (2020) 1241-1249. ISSN 1438-2377. (June
2020, Springer, New York, USA). Research article | 3.20 |
| 564 | Chiara Fanali, Margita Utczas, Paola Dugo, Luigi Mondello
Flavors and Odors Analysis (Chapter 18) in Chemical Analysis of Food, 2e. Yolanda
Picò (Ed) pp. 697-728. ISBN 9780128132661
(2020 Elsevier) Book chapter | 0.00 |
| 565 | Soukaina Hrichi, Raja Chaabane-Banaoues, Daniele Giuffrida, Domenica Mangraviti,
Yassine Oulad El Majdoub, Francesca Rigano, Luigi Mondello, Hamouda Babba, Zine
Mighri, Francesco Cacciola
Effect of seasonal variation on the chemical composition, antifungal and antioxidant
activities from <i>Convolvulus althaeoides</i> L. leaves extracts Arab. J. Chem. 13 (2020)
5651-5668. ISSN 1878-5352 (June 2020,
Elsevier, B.V., Amsterdam, The Netherlands). Research article | 5.20 |
| 566 | Natalizia Miceli, Andreana Marino, Aysegul Koroglu, Francesco Cacciola, Paola Dugo,
Luigi Mondello, Maria Fernanda Taviano
Comparative study of the phenolic profile, antioxidant and antimicrobial activities of
leaf extracts of five <i>Juniperus</i> L. (Cupressaceae) taxa growing in Turkey
Nat. Prod. Res. 34 (2020) 1636-1641. ISSN 1478-6419.(June 2020, Taylor
and Francis group, London, United Kingdom). Research article | 1.60 |
| 567 | Katia Arena, Giuseppe Brancato, Francesco Cacciola, Francesco Crea, Salvatore
Cataldo, Concetta De Stefano, Sofia Gama, Gabriele Lando, Demetrio Milea, Luigi
Mondello, Alberto Pettignano, Winfried Plass, Silvio Sammartano
8-Hydroxyquinoline-2-carboxylic acid as possible molybdophore: a multi-technique
approach to define its chemical speciation, coordination and sequestering ability in
aqueous solution.
Biomolecules 10 (2020) 930. ISSN 2218-273X (June 2020, MDPI AG,
Basel, Switzerland) Research article | 4.80 |
| 568 | Adela Pinte, Francisc Vasile Dulf, Andrea Bunea, Sonia Ancuța Socaci, Elena Andreea
Pop, Vlăduț-Alexandru Opriță, Daniele Giuffrida, Francesco Cacciola, Giovanni
Bartolomeo, Luigi Mondello Carotenoids, fatty acids and volatile compounds in
apricot cultivars from Romania - a chemometric approach
Antioxidants 9 (2020) 562. ISSN 2076-3921 (June 2020, MDPI AG,
Basel, Switzerland) Research article | 6.60 |
| 569 | Mariosimone Zoccali, Peter Q. Tranchida, and Luigi Mondello
A Lab-Developed Interface for Liquid-Gas Chromatography Coupling Based on the
Use of a Modified Programmed-Temperature-Vaporizing Injector
J. Chromatogr. A 1622 (2020) 461096. ISSN 0021-9673 (July 2020,
Elsevier, B.V., Amsterdam, The Netherlands). Research article | 4.00 |

- 570 Ivan Aloisi, Mariosimone Zoccali, Paola Dugo, Peter Q. Tranchida, Luigi Mondello 3.00
Fingerprinting of the unsaponifiable fraction of vegetable oils by using cryogenically-modulated comprehensive two-dimensional gas chromatography-high resolution time-of-flight mass spectrometry
Food Anal. Meth. 13 (2017) 1523-1529. ISSN 1936-9751 (July 2020, Springer, Berlin, Heidelberg). Research article
- 571 Ayoub Kounnoun, Mohamed El Maadoudi, Francesco Cacciola, Luigi Mondello, Hajar Bougtai, Naoual Alahlah, Nadia Amajoud, Aicha El Baaboua, Adnane Louajri 1.30
Development and validation of a high-performance liquid chromatography method for the determination of histamine in fish samples using fluorescence detection with pre-column derivatization
Chromatographia 83 (2020) 893-901. ISSN 009-5893 (July 2020, Vieweg Publishing, Wiesbaden, Germany).
Research article
- 572 Soukaina Hrichi, Francesca Rigano, Raja Chaabane-Banaoues, Yassine Oulad El Majdoub, Domenica Mangraviti, Davide Di Marco, Hamouda Babba, Paola Dugo, Luigi Mondello, Zine Mighri, Francesco Cacciola 5.10
Identification of Fatty acid, Lipid and Phenol compounds from *Prunus armeniaca* L. kernel extracts
Foods 9 (2020) 896. ISSN 2304-8158. (July 2020, MDPI AG, Basel, Switzerland. Research article
- 573 Tania M. G. Salerno, Paola Donato, Giampietro Frison, Luca Zamengo, Luigi Mondello 4.20
Gas Chromatography - Fourier Transform Infrared Spectroscopy for Unambiguous Determination of Illicit Drugs: a Proof of Concept
Front. Chem. 8 (2020) 624. ISSN 2296-2646 (July 2020, Frontiers Media S.A. Lausanne, Switzerland)
Research article
- 574 Hafssa El Cadi, Asmae El Cadi, Ayoub Kounnoun, Yassine Oulad El Majdoub, Miguel Palma Iovillo Jamal Brigui, Paola Dugo, Luigi Mondello, Francesco Cacciola 5.20
Wild strawberry (*Arbutus unedo*): Phytochemical screening and antioxidant properties of fruits collected in northern Morocco
Arab. J. Chem. 13 (2020) 6299-6311. ISSN 1878-5352 (August 2020, Elsevier, B.V., Amsterdam, The Netherlands).
Research article
- 575 Archimede Rotondo, Francesca Rigano, Luigi Mondello 2.50
Comprehensive chemical characterization of the *Pistacia vera* fruits by an innovative NMR approach
Appl. Sci. 10 (2020) 5523. (August 2020, MDPI AG, Basel, Switzerland)
Research article

- 576 Anna Róžańska, Marina Russo, Francesco Cacciola, Fabio Salafia, Paola Dugo, Luigi Mondello 5.10
Nutraceutical properties of Italian extra virgin olive oils from various sources by using LC-MS and multivariate data analysis
Foods 9 (2020) 1120. ISSN 2304-8158. (August 2020, MDPI AG, Basel, Switzerland).
Research article
- 577 Cemil Aydoğan, Francesca Rigano, Lenka Kujovská Krčmová, Doo Soo Chung, Mirek Macka , Luigi Mondello 6.70
Miniaturized LC in Molecular Omics
Anal. Chem. 92 (2020) 11485-11497. ISSN 0003-2700 (August 2020, American Chemical Society, Washington. D.C., USA). Review article
- 578 Hicham Mohti, Maria Fernanda Taviano Francesco Cacciola, Paola Dugo, Luigi Mondello, Abdelhamid Zaid, Emilia Cavò, Natalizia Miceli 1.30
Silene vulgaris (Moench) Garcke subsp. macrocarpa Turrill leaves and roots from Morocco: assessment of the efficiency of different extraction techniques and solvents on their antioxidant capacity, brine shrimp toxicity and phenolic characterization
Plant Biosyst. 154 (2020) 692-699. ISSN: 1126-3504. (September 2020, Taylor and Francis group, London, United Kingdom).
Research article
- 579 Chiara Fanali. Susanna Della Posta. Laura Dugo. Alessandra Gentili. Luigi Mondello. Laura De Gara 3.10
Choline-chloride and betaine-based deep eutectic solvents for green extraction of nutraceutical compounds from spent coffee ground
J. Pharm. Biomed. Anal. 189 (2020) 113421. ISSN 0731-7085.
(September 2020. Elsevier. B.V.. Amsterdam. The Netherlands). Research article
- 580 Jozef Kováčik, Giuseppe Micalizzi, Sławomir Dresler, Magdalena Wójciak-Kosior, Emanuela Ragosta, Luigi Mondello 4.10
The opposite nitric oxide modulators do not lead to the opposite changes of metabolites under cadmium excess
J. Plant Physiol. 252 (2020) 153228. ISSN 0176-1617. (September 2020, Elsevier, B.V., Amsterdam, The Netherlands).
Research article
- 581 Barbara Giocastro, Ivan Aloisi, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello 0.30
Cryogenic- and Flow-Modulation Comprehensive Two-Dimensional Gas Chromatography–Mass Spectrometry: Obtaining Similar Chromatographic Performances
LC GC Eur. 33 (2020) 172-178. ISSN 1471-6577 (October 2020, Multimedia UK, Cheshire, UK). Research article

- 582 Chiara Fanali, Susanna Della Posta, Lauar Dugo, Marina Russo, Alessandra Gentili, Luigi Mondello, Laura De Gara 2.50
Application of deep eutectic solvents for the extraction of phenolic compounds from extra-virgin olive oil
Electrophoresis 41 (2020) 1752-1759. ISSN: 1522-2683. (October 2020, Wiley-VCH, Weinheim, Germany).
Research article
- 583 Stefany Grutzmann Arcari, Katia Arena, Jeferson Kolling, Paloma Rocha, Paola Dugo, Luigi Mondello, Francesco Cacciola Polyphenolic compounds with biological activity in guabiroba (*Campomanesia xanthocarpa* Berg) by comprehensive two- dimensional liquid chromatography 2.50
Electrophoresis 41 (2020) 1784-1792. ISSN: 1522-2683. (October 2020, Wiley-VCH, Weinheim, Germany).
Research article
- 584 Soukaina Hrichi, Raja Chaabane-Banaoues, Sihem Bayar, Guido Flamini, Yassine Oulad El Majdoub, Domenica Mangraviti, Luigi Mondello, Ridha El Mzoughi, Hamouda Babba, Zine Mighri, Francesco Cacciola 4.60
Botanical and genetic identification followed by investigation of chemical composition and biological activities on the *Scabiosa atropurpurea* L. stem from Tunisian flora
Molecules 25 (2020) 5032. ISSN 1420-3049 (October 2020, MDPI AG, Basel, Switzerland). Research article
- 585 Imane Haoujar, Francesco Cacciola, Manuel Manchado, Jamal Abrini, Mohammed Haoujar, Kamal Chabbaki, Marianna Oteri, Francesca Rigano, Domenica Mangraviti, Luigi Mondello, Hicham Chairi, Nadia Skali Senhaji 5.10
Isolation of microalgae from Mediterranean seawater and production of lipids in the cultivated species
Foods 9 (2020) 1601. ISSN 2304-8158. (November 2020, MDPI AG, Basel, Switzerland). Research article
- 586 Hafssa El Cadi, Hajar EL Bouzidi, Ginane Selama, Asmae El Cadi, Btissam Ramdan, Yassine Oulad El Majdoub, Filippo Alibrando, Paola Dugo, Luigi Mondello, Asmae Fakih Lanjri, Jamal Brigui, Francesco Cacciola 4.60
Physico-Chemical and Phytochemical Characterization of Moroccan Wild Jujube “*Zizyphus lotus* (L.)” Fruit Crude Extract and Fractions
Molecules 25 (2020) 5037. ISSN 1420-3049 (November 2020, MDPI AG, Basel, Switzerland). Research article
- 587 Daniele Giuffrida, Mariosimone Zoccali, Luigi Mondello 12.00
Recent developments in the carotenoid and carotenoid derivatives chromatography-mass spectrometry analysis in food matrices
TrAC-Trend Anal. Chem 132, 2020, 116047. ISSN 0165-9936.
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| 641 | Aziz Bouymajane, Fouzia Rhazi Filali, Yassine Oulad El Majdoub, Mohamed Ouadik, Rahou Abdelilah, Emilia Cavò, Natalizia Miceli, Maria Fernanda Taviano, Luigi Mondello, Francesco Cacciola | Phenolic profile, Antioxidant and Antibacterial Activities of Extracts from Aerial Parts of <i>Thymus zygis</i> subsp. <i>gracilis</i> , <i>Mentha suaveolens</i> and <i>Sideritis incana</i> from Morocco
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- 712 Giuseppe Micalizzi, Federica Vento, Chiara Buzzanca, Tania Maria Grazia Salerno, Luigi Mondello
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- 713 Paola Donato, Paola Dugo, Luigi Mondello Separation of Lipids
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| 714 | <p>Giuseppe Micalizzi, Mariosimone Zoccali, Emanuela Trovato, Luigi Mondello
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| 716 | <p>Javier García-Bellido, Laura Freije-Carrelo, Montserrat Redondo-Velasco, Marco
 Piparo, Mariosimone Zoccali, Luigi Mondello, Mariella Moldovan, Brice Bouyssiere,
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| 717 | <p>Antonio Ferracane, Mariosimone Zoccali, Alessia Arena, Monica Mondello, Peter Q.
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| 718 | <p>Gemma De Grazia, Lorenzo Cucinotta, Danilo Sciarrone, Paola Donato, Emanuela
 Trovato, Nacera Riad, Mohamed El Hattab, Luigi Mondello, Archimede Rotondo
 Preparative three-dimensional GC and nuclear magnetic resonance for the isolation and
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| 719 | <p>Salma Jlizi, Yassine Oulad El Majdoub, Maroua Jalouli, Afifa Zardi- Bergaoui,
 Francesco Cacciola, Katia Arena, Luigi Mondello, Hichem Ben Jannet
 HPLC-PDA/ESI-MS determination of the polyphenolic profile and evaluation of the
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Bergamot pomace as sustainable platform for Cd²⁺ removal from aqueous solution
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- 724 Luigi Mondello, Paola Dugo, Paola Donato, Miguel Herrero, Lidia Montero, Oliver J. Schmitz
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| 726 | <p>Domenica Mangraviti, Francesca Rigano, Cinzia Cafarella, Paola Dugo, Luigi Mondello</p> <p>Direct Analysis in Real Time of high-quality extra virgin olive oils for the rapid and automatic identification of origin trademark</p> <p>J. Sci. Food Agric. 103 (2023) 7643-7652. ISSN 1097-0010 (December 2023, Wiley-VCH, Weinheim, Germany).</p> <p>Research article</p> | 3.50 |
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| 729 | <p>Danilo Donnarumma, Giuseppe Micalizzi, Luigi Mondello, Paola Dugo</p> <p>Lipidomics in Food Industry and Nutrition</p> <p>Book Editor(s): Michal Holčapek, Kim Ekroos. Mass Spectrometry for Lipidomics: Methods and Applications, Chapter 21, 585-600, 2023. ISBN: 978-352783651-2, 978-352735222-7.</p> <p>Book chapter</p> | 0.00 |
| 730 | <p>Natasa P. Kalogiouri, Antonio Ferracane, Natalia Manousi, George Zachariadis, Peter Q. Tranchida, Luigi Mondello, Victoria F. Samanidou, Erwin Rosenberg</p> <p>A volatilomics analytical protocol employing solid phase microextraction coupled to GC × GC-MS analysis and combined with multivariate chemometrics for the detection of pomegranate juice adulteration</p> <p>Talanta 266 (2024) 125027. ISSN 0039-9140. (January 2024, Elsevier, B.V., Amsterdam, The Netherlands).</p> <p>Research article</p> | 6.10 |

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- 733 Tania Maria Grazia Salerno, Carmelo Coppolino, Paola Arena, Ahmed Aichouni, Andrea Cerrato, Anna Laura Capriotti, Francesca Rigano, Danilo Donnarumma, Paola Donato, Alice Mondello, Luigi Mondello 3.00
Circular Economy in the food chain: retrieval and characterization of antimicrobial peptides from fish waste hydrolysates
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- 734 Mustapha Cherrate, Aziz Bouymajane, Yassine Oulad El Majdou, Fouzia Rhazi Filali, Ghizlane Echchgadda, Abdellah Maissour, Roberto Laganà Vinci, Francesco Cacciola, Luigi Mondello, Rachid Lahlali, Kacem Makroum 2.90
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- 735 Mouna Moullamri, Kacem Rharrabe, Houssam Annaz, Amin Laglaoui, Filippo Alibrando, Francesco Cacciola, Luigi Mondello, Nourddin Bouayad, Saïd Zantar, Mohammed Bakkali 1.80
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- 736 Marina Russo, Maria Rita Testa Camillo, Roberta La Tella, Francesca Rigano, Paola Donato, Luigi Mondello, Paola Dugo 4.00
Principles and applications of porous graphitic carbon stationary phase in liquid chromatography: an update
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- 737 Giuseppe Micalizzi, Chiara Buzzanca, Valentina Chiaia, Monica Mondello, Francesco Cacciola, Daniela Caccamo, Luigi Mondello 2.80
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- 738 Mohamed Reda Kachmar, Yassine Oulad El Majdoub, Andreia P. Oliveira, Aziz Boumajane, Hanae Naceiri Mrabti, Toufik Bouddine, Nora Mirf, Safa Kachmar, Hajji Lhoussain, Zoubida Haloui, Alessia Tropea, Francesco Cacciola, Luigi Mondello, Paula B. Andrade, Said Chakir 0.00
Juniperus oxycedrus leaves and berries extracts: HPLC-PDA-ESI/MS2 phenolic characterization and in vitro anti-inflammatory effects
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- 739 Peter Q. Tranchida, Mariosimone Zoccali, and Luigi Mondello 12.00
Views on the uses of comprehensive two-dimensional gas chromatography-mass spectrometry in food analysis
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- 740 Natasa P. Kalogiouri, Natalia Manousi, Antonio Ferracane, George A. Zachariadis, Stefanos Koundouras, Victoria F. Samanidou, Peter Q. Tranchida, Luigi Mondello, Erwin Rosenberg 6.00
A novel high-throughput headspace solid-phase microextraction arrow method employing comprehensive two-dimensional gas chromatography-mass spectrometry combined with advanced chemometrics for the investigation of wine aging
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- 741 Alessia Tropea, Donatella Spadaro, Daniele Giuffrida, Juan Pablo Ruiz-Sanchez, Julio Montañez, Lourdes Morales-Oyervides, Laurent Dufossé, Luigi Mondello, Giuseppe Calogero 3.20
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- 742 Maria Fernanda Taviano; Paola Arena; Federica Davì; Emilia Cavò; Vivienne Spadaro; Francesco Maria Raimondo; Francesco Cacciola; Roberto Laganà Vinci; Luigi Mondello; Natalizia Miceli 2.50
Contribution of phenolic compounds to the overall antioxidant activity of leaves and flowers of *Sinapis pubescens* L. subsp. *pubescens* (Brassicaceae) wild from Sicily (Italy)
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- 743 Cinzia Cafarella, Domenica Mangraviti, Francesca Rigano, Paola Dugo, Luigi Mondello 2.80
Rapid evaporative ionization mass spectrometry: a survey through 15 years of applications
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- 744 Hamass Zerrad, Hanane Bakrim, Mouna Moullamri, Mohammed Bakkali, Filippo Alibrando, Francesco Cacciola, Monica Mondello, Paola Dugo, Luigi Mondello, Abdelhay Arakrak, Amin Laglaoui 2.10
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- 745 Cassamo Ussemame Mussagy, Fabiane O. Farias, Alessia Tropea, Luca Santi, Luigi Mondello, Daniele Giuffrida; Antonio J. Meléndez-Martínez, Laurent Dufossé 9.80
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- 746 Soumia Moujane, Ismail Bouadid, Aziz Bouymajane, Filali Zegzouti Younes, Mohamed Benlyas, Bouachrine Mohammed, Francesco Cacciola, Roberto Laganà Vinci, Alessia Tropea, Luigi Mondello, Ammar B. Altemimi, Mohamed Eddouks and Benaissa Moualij 2.60
Assessment of hematological, and biochemical effects of acute and subacute toxicity of the aqueous extract from *Retama sphaerocarpa* leaves in Wistar rats, and in-silico investigation of phenolic compounds as potential inhibitors against HPV16 E6 oncoprotein
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- 747 Mauro Paolini, Alberto Roncone, Lorenzo Cucinotta, Danilo Sciarrone, Luigi Mondello, Federica Camin, Sergio Moser, Roberto Larcher, Luana Bontempo Aromatic Characterisation of Moscato Giallo by GC-MS/MS and Validation of Stable Isotopic Ratio Analysis of the Major Volatile Compounds 4.80
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- 748 Angie Vanessa Caicedo Paz, Francesca Rigano, Cinzia Cafarella, Alessia Tropea, Luigi Mondello, Julián Paul Martinez Galan, Mushtaq Ahmad, Ahmad Mustafa, Fabiane Farias, Andrés Córdova, Daniele Giuffrida, Laurent Dufossé, Cassamo Ussemame Mussagy 9.00
Process intensification of ultrasound assisted deep eutectic solvent-based extraction of astaxanthin-rich extract derived from the non-conventional bacterium *Paracoccus carotinifaciens*
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- 749 Alessia Arena, Antonio Ferracane, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello 6.00
A dilute-and-inject liquid-gas chromatography-mass spectrometry method for the analysis of sixteen polycyclic aromatic hydrocarbons in extra-virgin olive oil
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- 750 Giuseppe Micalizzi, Lorenzo Cucinotta, Valentina Chiaia, Filippo Alibrando, Francesca Cannizzaro, Gabriele Branca, Pietro Maida, Luigi Mondello, Danilo Sciarrone 4.00
Profiling of seized *Cannabis sativa* L. flowering tops by means of microwave-assisted hydro distillation and gas chromatography analyses
J. Chromatogr. A 1727 (2024) 464994. ISSN 0021-9673 (July 2024, Elsevier, B.V., Amsterdam, The Netherlands).
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| 751 | <p>Jader Martínez-Girón, Cinzia Cafarella, Francesca Rigano, Daniele Giuffrida, Luigi Mondello, Yolima Baena, Coralía Osorio, Luis Eduardo Ordóñez-Santos Peach palm fruit (<i>Bactris gasipaes</i>) peel: A Source of Provitamin A Carotenoids to Develop Emulsion-Based Delivery Systems
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| 752 | <p>Emanuela Trovato, Lucyna Balcerzak, Clio Vidal, Daniel Jan Strub, Hussein A Fakhry, Paola Dugo, Luigi Mondello
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 J. Essent. Oil Res. 36 (2024) 321-332. ISSN 2163-8152 (July-August 2024, Taylor and Francis group, London, United Kingdom).
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| 753 | <p>Roberto Laganà Vinci, Katia Arena, Francesca Rigano, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Prediction of retention data of phenolic compounds by quantitative structure retention relationship models under reverse-phase liquid chromatography
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| 754 | <p>Lorenzo Cucinotta, Francesca Cannizzaro, Mauro Paolini, Alberto Roncone, Federica Camin, Luana Bontempo, Roberto Larcher, Danilo Sciarrone, Luigi Mondello
 From grape to wine: a thorough compound specific isotopic, enantiomeric and qualitative investigation by means of gas chromatographic analysis
 J. Chromatogr. A 1730 (2024) 465149. ISSN 0021-9673 (August 2024, Elsevier, B.V., Amsterdam, The Netherlands).
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| 755 | <p>Giovanna Cafeo, Marina Russo, Luigi Mondello, Paola Dugo
 Quantitative analysis of oxygen heterocyclic compounds using liquid chromatography coupled to tandem mass spectrometry, method development and environmental assessment
 J. Food Comp. Anal. 132 (2024) 106291. ISSN: 0889-1575 (August 2024, Elsevier, B.V., Amsterdam, The Netherlands).
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- 756 Micaela Galletta, Mariosimone Zoccali, Cristina Malegori, Paolo Oliveri, Peter Q. Tranchida, Luigi Mondello, Monica Mondello 6.10
Flow-modulation comprehensive two-dimensional enantio-gas chromatography: a valid and flexible alternative to heart-cutting multidimensional enantio-gas chromatography *Talanta* 275 (2024) 126137. ISSN 0039-9140. (August 2024, Elsevier V., Amsterdam, The Netherlands).
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- 757 Valentina Chiaia, Giuseppe Micalizzi, Danilo Donnarumma, Anna Irto, Clemente Bretti, Marta Venuti, Gabriele Lando, Luigi Mondello, Paola Cardiano 4.00
Manuscript title: Study of oxidation products in aged olive oils by GC and HPLC techniques coupled to mass spectrometry to discriminate olive oil lipid substances in archaeological artifacts from ancient Taormina (Italy)
J. Chromatogr. A 1731 (2024) 465154. ISSN 0021-9673 (August 2024, Elsevier, B.V., Amsterdam, The Netherlands).
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- 758 Zakya M'hamdi, Federica Davì, Mohammed Elhourri, Ali Amechrouq, Fabio Mondello, Francesco Cacciola, Roberto Laganà Vinci, Luigi Mondello, Natalizia Miceli, Maria Fernanda Taviano 4.60
Determination of the phenolic profile, evaluation of antioxidant and insecticidal properties of aerial parts of *Pelargonium graveolens* L'Hér. growing in Morocco
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- 759 Chatragadda Ramesh, Maile Anwesh, Tropea Alessia, Daniele Giuffrida, Roberta La Tella, Valentina Chiaia, Luigi Mondello, Kanakam Anil, Alexandre Le Loarer, Anne Gauvin-Bialecki, Mireille Fouillaud, and Laurent Dufossé 2.60
Genome and compound analysis of sioxanthin producing marine actinobacterium *Micromonospora* sp. nov. strain SH-82 isolated from sponge *Scopalina hapalia*
Curr. Microbiol. 81 (2024) 298. ISSN: 0343-8651 (August 2024, Springer, New York, USA)
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- 760 Giovanna Cafeo, Tania Maria Grazia Salerno, Luigi Mondello, Paola Dugo, Marina Russo 6.20
Miniaturized extraction, fast and sustainable chromatographic approach for determination of oxygen heterocyclic compounds in alcoholic beverages
Green Anal. Chem. 10 (2024) 100129. ISSN 2772-5774 (September 2024, Elsevier, B.V., Amsterdam, The Netherlands).
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- 761 Lorenzo Cucinotta, Archimede Rotondo, Carmelo Coppolino, Elisa Irrera, Laura A. Duarte, Roger R. Cipriano, Wanderlei do Amaral, Wilson Loureiro, Cicero Deschamps, Humberto Ribeiro Bizzo, Paola Donato, Danilo Sciarrone, Luigi Mondello, Tania Maria Grazia Salerno 4.00
Gas chromatographic techniques and spectroscopic approaches for a deep characterization of *Piper gaudichaudianum* Kunth essential oil from Brazil
J. Chromatogr. A 1732 (2024) 465208. ISSN 0021-9673 (September 2024, Elsevier, B.V., Amsterdam, The Netherlands).
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- 762 Alessia Arena, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello 4.00
Cryogenic-zone-compression gas chromatography-mass spectrometry for the targeted determination of 16 polycyclic aromatic hydrocarbons in extra virgin olive oil
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- 763 Donatella Spadaro, Alessia Tropea, Ilaria Citro, Stefano Trocino, Daniele Giuffrida, Francesca Rigano, Lourdes Morales-Oyervides, Thorsten Brinkhoff, Till Tiso, Laurent Dufossé, Giuseppe Calogero, Luigi Mondello 4.20
Development of innovative dye sensitized solar cells (DSSCs) based on co-sensitization of natural microbial pigments.
Dyes Pigm. 229 (2024) 112311. ISSN 0143-7208. (October 2024, Elsevier, B.V., Amsterdam, The Netherlands).
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- 764 Katia Arena, Laura Martín-Pozo, Roberto Laganà Vinci, Francesco Cacciola, Paola Dugo, Luigi Mondello 5.00
Determination of pesticide residues in five different corn-based products using a single and simple solid-liquid extraction without clean-up steps followed by comprehensive two-dimensional liquid chromatography coupled to tandem mass spectrometry
Microchem. J. 205 (2024) 111298. ISSN: 0026-265X. (October 2024, Elsevier, B.V., Amsterdam, The Netherlands).
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- 765 Alessia Arena, Mariosimone Zoccali, Antonio Ferracane, Luigi Mondello 12.00
Improvements in materials for microextraction techniques in pesticide analysis of fruit juices: Update of the last decade
TRAC-Trend. Anal. Chem. 180 (2024) 117911. ISSN 0165-9936. (October 2024, Elsevier, B.V., Amsterdam, The Netherlands).
Review article
- 766 Ahlem Eddehech, Alessia Tropea, Francesca Rigano, Danilo Donnarumma, Emna Ben Abdallah, Francesco Cacciola, Luigi Mondello, Zied Zarai 2.80
Biodiesel Production from Crude Soybean Oil by Using a Combination of Microbial Lipase and Phospholipase
J. Sep. Sci. 47 (2024) e202400325. ISSN 1615-9306 (October 2024, Wiley-VCH, Weinheim, Germany)
Research article

- 767 Carmelo Coppolino, Emanuela Trovato, Tania M. G. Salerno, Lorenzo Cucinotta, Danilo Sciarrone, Paola Donato, Luigi Mondello 3.80
Parallel coupling of gas chromatography to mass spectrometry and solid deposition Fourier transform infrared spectroscopy: an innovative approach to address challenging identifications
Anal. Bioanal. Chem. 416 (2024) 5595-5604. ISSN 1618-2650. (November 2024, Springer, New York, USA).
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- 768 Zakia Zouaoui, Abdelmounaim Laabar, Sara El Asri, Abdelhamid Ennoury, Imad Kabach, Luigi Mondello, Francesco Cacciola, Khalid Taghzouti, Mohamed Nhiri, Naima Nhiri 6.20
Phytochemical profile, antioxidant screening, and antidiabetic effect of pink pepper (*Schinus terebinthifolius* Raddi) leaves in diabetic mice
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- 771 D. Sciarrone, L. Cucinotta, L. Mondello 0.00
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| 797 | <p>Alessia Tropea, Daniele Giuffrida, Cassamo U. Mussagy, Laurent Dufossé, and Luigi Mondello</p> <p>Microbial Pigments Production from Agro-Industrial Waste</p> <p>Editor: Kartika Sharma pp 83-97 (2025). Bio-prospecting of Novel Microbial Bioactive Compounds for Sustainable Development, Springer (New York, USA). ISBN: 978-3-031-82178-3.</p> <p>Book chapter</p> | 0.00 |
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| 799 | <p>Giovanna Cafeo, Donatella Ferrara, Andrea Schincaglia, Marco Beccaria, Marina Russo, Luigi Mondello, Paola Dugo, Giorgia Purcaro</p> <p>Microwave-assisted extraction of oxygen heterocyclic compounds from Citrus-scented creams using a deep eutectic solvent and their determination by HPLC-PDA</p> <p>J. Chromatogr. A 1756 (2025) 466085. ISSN 0021-9673 (August 2025, Elsevier, B.V., Amsterdam, The Netherlands).</p> <p>Research article</p> | 4.00 |
| 800 | <p>Investigation of adulterated seized heroin samples and direct stereochemical analysis of methorphan by chiral HPLC-MS/MS</p> <p>Tania Maria Grazia Salerno, Luca Zamengo, Carmelo Coppolino, Lorenzo Cucinotta, Paola Donato, Emanuela Trovato, Federica Vento, Flavio Zancanaro, Giampietro Frison, Luigi Mondello</p> <p>Anal. Bioanal. Chem. 417 (2025) 5187-5198. ISSN 1618-2650. (August 2025, Springer, New York, USA).</p> <p>Research article</p> | 3.80 |

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- 803 Gaia Bechis, Alessia Arena, Carlo Bicchi, Patrizia Rubiolo, Mariosimone Zoccali, Cecilia Cagliero, Luigi Mondello 4.00
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- 807 Emanuele Zanda, Anna Irto, Salvatore Giovanni Michele Raccuia, Clemente Bretti, Giovanna De Luca, Ileana Ielo, Mariosimone Zoccali, Alessia Arena, Giuseppe Paladini, Francesco Caridi, Mauro Formica, Eleonora Macedi, Valentina Venuti, Concetta De Stefano, Luigi Mondello, Paola Cardiano, Gabriele Lando
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- 810 Roberto Laganà Vinci, Michal Kašpar, Francesco Cacciola, Luigi Mondello, Petr Česla
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TOTAL IMPACT

FACTOR: 2634

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- 431 Elisa Irrera, Giovanna Cafeo, Marina Russo, Maria Luisa Calabrò, Luigi Mondello, Paola Dugo
Streamlined and green chromatographic approach for the identification of oxygen heterocyclic compounds in foodstuffs via miniaturised extraction
In press Nat. Prod. Res.
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A review of the recent advances in extraction techniques for volatilome of aromatic & fragrant plants.
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- 461 Viktória Lilla Balázs, Bence Bordás, Lilla Nagy-Radványi, Edit Ormai, Marianna Kocsis, Béla Kocsis, Ágnes Farkas, Giuseppe Micalizzi, Luigi Mondello, Virág Ángyán, Erika Bencsik-Kerekes, Györgyi Horváth
Efficacy of lavender essential oil against respiratory tract bacteria is influenced by harvesting time
In press J. Essent. Oil Res.
- 452 Fatima Zohra Rebita, Meriem Mokhtar, Nour El Houda Mahdjoub, Soumia Keddari, Roberto Laganà Vinci, Katia Arena, Francesco Cacciola, Abdelkader El-Amine Dahou, Luigi Mondello
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- 467 Giorgia Rinaldi, Antonio Ferracane, Mariosimone Zoccali, Luigi Mondello
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- 451 Houda Chtibi, Kaoutar Harboul, Taoufiq Benali, Aziz Bouymajane, Roberto Laganà Vinci, Francesco Cacciola, Luigi Mondello, Khalil Hammani
Time-kill investigation, morphological modifications, and cell membrane integrity of *Proteus mirabilis* exposed to sonication-assisted methanolic extract of *Micromeria graeca* from Northern Morocco
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- 460 Lorenzo Cucinotta, Marta Pavarino, Francesca Cannizzaro, Barbara Sgorbini, Patrizia Rubiolo, Danilo Sciarrone, Luigi Mondello
A novel *cut and sew* procedure for the natural reconstitution of essential oils prior to biological assays
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- 463 Carmelo Coppolino, Marta Gallego, Leticia Mora, Alice Mondello, Paola Donato, Andrea Cerrato, Anna Laura Capriotti, Fidel Toldrà, Luigi Mondello
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- 465 Federica Vento, Ivana Lidia Bonaccorsi, Giuseppe Micalizzi, Marina Russo, Filippo Alibrando, Paola Dugo, Luigi Mondello
Evaluation of the recent seasonal variations of the composition and enantiomeric distribution of volatiles and of polymethoxyflavone in sicilian cold-pressed mandarin (*C. deliciosa* Ten.).
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- 468 Roberto Laganà Vinci, Katia Arena, Francesca Rigano, Roberta La Tella, Patrik Appelblad, Paola Dugo, Luigi Mondello
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- 469 Douaa Bekkai, Natalizia Miceli, Maria Fernanda Taviano, Carmelo Coppolino, Francesco Cacciola, Luigi Mondello, Patrizia Trifilò
Phenolic profile and biological evaluation of *Salvia ceratophylloides* Ard.: a novel source of rosmarinic acid
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- 470 Roberto Laganà Vinci, Carmelo Coppolino, Katia Arena, Francesco Cacciola, Patrik Appelblad, Paola Dugo, Luigi Mondello
Scouting of different separation strategies for phenolic compounds in comprehensive two-dimensional liquid chromatography
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- 471 Francesca Rigano, Alessia Tropea, Giuseppe Micalizzi, Tania Maria Grazia Salerno, Cassamo U. Mussagy, Angie V. Caicedo Paz, Anja Poehlein, Thorsten Brinkhoff, Laurent Dufossé, Paola Zinno, Daniele Giuffrida, Luigi Mondello
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N° CONFERENCE PARTICIPATION

- 1 Convegno Regionale della Società Chimica Italiana, Milazzo, Italia, 11-13 Dicembre 1991.
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“Residui di Procimidone nelle Uve, nel Mosto e nel Vino”.
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- 2 Fifteenth International Symposium on Capillary Chromatography - Riva del Garda, 24-27 Maggio 1993.
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- 3 Massa 93, Chimica e Biotecnologie Agro-alimentari, Lacco Ameno, Ischia, Italia, 13-18 Settembre 1993.
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- 4 Massa 93, Chimica e Biotecnologie Agro-alimentari, Lacco Ameno, Ischia, Italia, 13-18 Settembre 1993.
A. Verzera, A. Trozzi, L. Mondello, A. Cotroneo, I. Stagno d’Alcontres e G. Dugo.
“La Distribuzione Enantiomerica di Alcoli Monoterpenici come Riferimento di Genuinità e di Qualità degli Oli Essenziali Agrumari”.
Comunicazione Orale
- 5 Metodiche HPLC per il Controllo di Qualità degli Alimenti e delle Bevande Alcoliche, Giardini Naxos, Italia, 7-8 Ottobre 1993.
Giovanni Dugo, Luigi Mondello, Paola Dugo, Ildefonsa Stagno d’Alcontres e Antonella Cotroneo.
“La Frazione dei Composti a Nucleo Eterociclico Contenente Ossigeno degli Olii Essenziali Agrumari”.
Comunicazione Orale
- 6 Metodiche HPLC per il Controllo di Qualità degli Alimenti e delle Bevande Alcoliche, Giardini Naxos, Italia, 7-8 Ottobre 1993.
Giovanni Dugo, Luigi Mondello, Antonella Verzera, Alessandra Trozzi, Antonella Cotroneo e Ildefonsa Stagno d’Alcontres.
“Determinazione della Distribuzione Enantiomerica di Alcoli Monoterpenici negli Olii Essenziali Agrumari mediante Accoppiamento Automatico ‘On-line’ HPLC-HRGC”.
Comunicazione Orale
- 7 Metodiche HPLC per il Controllo di Qualità degli Alimenti e delle Bevande Alcoliche, Giardini Naxos, Italia, 7-8 Ottobre 1993.
Luigi Mondello, Paola Dugo e Ildefonsa Stagno d’Alcontres.

“Isolamento di Polimetossiflavoni dagli Olii Essenziali di Arancia Dolce e di Mandarino mediante Cromatografia su Colonna e HPLC Semipreparativa con Riciclo”.

Comunicazione Orale

- 8** II Congresso Italo-Peruviano di Etnomedicina Andina, Lima, Perù, 27-30 Ottobre 1993.

Giovanni Dugo, Luigi Mondello, Antonella Verzera, Alessandra Trozzi, Antonella Cotroneo e Ildefonso Stagno d'Alcontres.

“Il Dosaggio degli Enantiomeri di Componenti degli Olii Essenziali Agrumari Mediante Accoppiamento ‘On-line’ HPLC-HRGC con Colonne Capillari Chinali”.

Comunicazione Poster

- 9** I Congreso de la Federacion Farmaceutica Sudamericana - Montevideo, 4-7 Novembre 1993.

A. Verzera, A. Trozzi, L. Mondello, A. Cotroneo, I. Stagno d'Alcontres, G. Dugo, D. Lorenzo, E. Dellacassa.

“Influencia de la tecnología de extracción y del origen y variedad de fruta sobre la relación enantiomérica de alcoholes monoterpénicos en aceites esenciales cítricos”.

Comunicazione Orale

- 10** Seminari di Chimica degli Alimenti, Messina, Italia, 16-17 Maggio 1994.

L. Mondello.

“ ‘On-line’ HPLC-HRGC-MS: Applicazioni all'Analisi degli Olii Essenziali Agrumari”.

Comunicazione Orale a Invito (1)

- 11** Trasformazioni Molecolari nelle Tecnologie Alimentari. Metodi di Valutazione, Milano, Italia, 19-20 Maggio 1994.

Giovanni Dugo, Luigi Mondello, Antonella Cotroneo e Antonella Verzera.

“Variazione del Contenuto e della Distribuzione Enantiomerica degli Alcoli Monoterpenici negli Olii Essenziali Agrumari in Funzione della Tecnologia di Estrazione”.

Comunicazione Poster

- 12** III Congresso Italo-Latinoamericano di Etnomedicina, Roma-Eur, Italia, 19-22 Settembre 1994.

Luigi Mondello, Paola Dugo, Keith D. Bartle, Giovanni Dugo e Antonella Cotroneo.

“Identificazione e Dosaggio degli Idrocarburi Sesquiterpenici negli Olii Essenziali Agrumari mediante Accoppiamento Automatico ‘On-line’ HPLC-HRGC-MS(ITD)”.

Comunicazione Poster

- 13** Sixteenth International Symposium On Capillary Chromatography, Riva del Garda, Italy, September 27-30, 1994.

Giovanni Dugo, Alessandra Trozzi, Antonella Cotroneo, Paola Dugo, Eduardo Dellacassa, Luigi Mondello and Keith D. Bartle.

- “Automated HPLC-HRGC: A Powerful Method for Essential Oil Analysis. Determination of Enantiomeric Distribution of Monoterpene Alcohols (Linalol, Terpinen-4-ol and α -Terpineol) in Citrus Essential Oils from Different Origin”.
Comunicazione Poster (1)
- 14** Sixteenth International Symposium On Capillary Chromatography, Riva del Garda, Italy, September 27-30, 1994.
Luigi Mondello, Paola Dugo, Keith D. Bartle, Giovanni Dugo and Bernard Frere.
“On-line High Performance Liquid Chromatography Coupled with High Resolution Gas Chromatography and Mass Spectrometry (HPLC-HRGC-MS) for the Analysis of Complex Mixtures Containing High Volatile compounds”.
Comunicazione Poster
- 15** II Congreso de Ciencias Farmaceuticas del Cono Sur, Santiago del Cile, Ottobre 1994.
A. Verzera, A. Trozzi, L. Mondello, A. Cotroneo, I. Stagno d’Alcontres, G. Dugo, D. Lorenzo e E. Dellacassa.
“Influencia de la Tecnología de Extracción y del Origen y Variedad de Fruta Sobre la Relación Enantiomérica de Alcoholes Monoterpenicos en Aceites Esenciales Cítricos”.
Comunicazione Poster
- 16** II Simposio Internacional Quimica de Productos Naturales y sus Aplicaciones, Concepcion, Chile, 30 de Noviembre al 2 de Diciembre 1994.
Antonella Verzera, Alessandra Trozzi, Luigi Mondello, Paola Dugo y Giovanni Dugo.
“Estudio de la Relacion Enantiomerica de Alcoholes Monoterpenicos en Aceites Esenciales Citricos”.
Comunicazione Poster
- 17** Seventeenth International Symposium on Capillary Chromatography and Electrophoresis, Wintergreen, Virginia, USA, May 7-11, 1995.
Luigi Mondello, Giovanni Dugo and Keith D. Bartle.
“On-line LC/GC/MS for the Analysis of Complex Mixtures”.
Comunicazione Orale a Invito (2)
- 18** Seventeenth International Symposium on Capillary Chromatography and Electrophoresis, Wintergreen, Virginia, USA, May 7-11, 1995.
Luigi Mondello, P. Dugo, A. Basile, Giovanni Dugo and Keith D. Bartle.
“Interactive Use of Kovats Indices, on Polar and Apolar Columns, with an MS-Library for Reliable Identification of Complex Mixtures”.
Comunicazione Poster (2)
- 19** 2° Congresso Nazionale di Chimica degli Alimenti, Giardini Naxos, Italia, 24-27 Maggio 1995.
L. Mondello, G. Dugo and K.D. Bartle.
“On line HPLC-HRGC and HPLC-HRGC-MS in the Analytical Chemistry of Citrus Essential Oils”.
Comunicazione Orale a Invito (3)

- 20** 2° Congresso Nazionale di Chimica degli Alimenti, Giardini Naxos, Italia, 24-27 Maggio 1995.
L. Mondello.
“Applicazioni di On-line LC-GC all'analisi di olii essenziali”.
Comunicazione Orale a Invito (4)
- 21** 2° Congresso Nazionale di Chimica degli Alimenti, Giardini Naxos, Italia, 24-27 Maggio 1995.
P. Dugo, L. Mondello, E. Cogliandro, A. Verzera e G. Dugo.
“I composti a nucleo eterociclico contenente ossigeno degli olii essenziali agrumari”.
Comunicazione Orale
- 22** 2° Congresso Nazionale di Chimica degli Alimenti, Giardini Naxos, Italia, 24-27 Maggio 1995.
L. Mondello, P. Dugo, E. Cogliandro e Giacomo Dugo.
“Caratterizzazione dell'olio essenziale di pummelo (Cv. Chandler) mediante GC-MS, HPLC e indici chimico-fisici”.
Comunicazione Poster
- 23** 2° Congresso Nazionale di Chimica degli Alimenti, Giardini Naxos, Italia, 24-27 Maggio 1995.
M. Nicotina, P. Dugo, L. Mondello, P. Previti, Giacomo Dugo e E. Caprio.
“La frazione aromatica di uve falanghina e trebbiano trattate con acaricidi specifici”.
Comunicazione Poster
- 24** 2° Congresso Nazionale di Chimica degli Alimenti, Giardini Naxos, Italia, 24-27 Maggio 1995.
L. Mondello, P. Dugo, A. Cotroneo, A. Basile e G. Dugo.
“Analisi GC-MS e indici di Kovats su colonne apolari e polari per una sicura identificazione dei composti della frazione volatile degli olii essenziali agrumari”.
Comunicazione Poster
- 25** 2° Congresso Nazionale di Chimica degli Alimenti, Giardini Naxos, Italia, 24-27 Maggio 1995.
L. Mondello, K.D. Bartle, P. Dugo, A. Cotroneo e G. Dugo.
“Analisi dei petitgrain di arancio dolce e di arancio amaro mediante GC-MS”.
Comunicazione Poster
- 26** 2° Congresso Nazionale di Chimica degli Alimenti, Giardini Naxos, Italia, 24-27 Maggio 1995.
P. Dugo, L. Mondello, E. Cogliandro, A. Verzera, A. Cavazza e G. Dugo.
“I composti a nucleo eterociclico contenente ossigeno dell'olio essenziale di arancia amara”.
Comunicazione Poster
- 27** 2° Congresso Nazionale di Chimica degli Alimenti, Giardini Naxos, Italia, 24-27 Maggio 1995.
L. Mondello, K.D. Bartle, I. Stagno d'Alcontres, A. Cotroneo e G. Dugo.

“Analisi dei petitgrain di limone e di mandarino mediante GC-MS”.
Comunicazione Poster

- 28** IV Congreso Italo-Latinoamericano de Etnomedicina “Felice Fontana”, Ecuador, 6-9 Noviembre 1995.
Paola Dugo, L. Mondello, Giovanni Dugo, E. Dellacassa, D. Lorenzo e P. Moyna.
“I Composti a nucleo eterociclico contenente ossigeno degli olii essenziali agrumari”.
Comunicazione Poster
- 29** Technical Meeting, The Coca Cola Company, Atlanta, Georgia, USA, 26 Gennaio 1996.
L. Mondello.
“On-line LC-GC-MS for Identification of Citrus Volatiles”.
Comunicazione Orale a Invito
- 30** International Citrus Symposium, Orlando, Florida, USA, January 29-February 1, 1996.
L. Mondello, G. Dugo, P. Dugo and K.D. Bartle.
“On-line HPLC-HRGC in the Analytical Chemistry of Citrus Essential Oils”.
Comunicazione Orale a Invito (5)
- 31** International Citrus Symposium, Orlando, Florida, USA, January 29-February 1, 1996.
L. Mondello, K.D. Bartle, P. Dugo, A. Cotroneo and G. Dugo.
“The Composition of Petitgrain Oils”.
Comunicazione Orale a Invito (6)
- 32** International Citrus Symposium, Orlando, Florida, USA, January 29-February 1, 1996.
P. Dugo, L. Mondello, I. Stagno d’Alcontres, A. Basile and G. Dugo.
“Oxygen Heterocyclic Compounds of Citrus Essential Oils”.
Comunicazione Orale
- 33** International Citrus Symposium, Orlando, Florida, USA, January 29-February 1, 1996.
A. Verzera, G. Lamonica, L. Mondello, A. Trozzi and G. Dugo.
“The Composition of Bergamot Oil”.
Comunicazione Orale
- 34** International Citrus Symposium, Orlando, Florida, USA, January 29-February 1, 1996.
D. Heaton, K.D. Bartle, A.A. Clifford, P. Dugo, L. Mondello and G. Dugo.
“Rapid Analysis of Polymethoxylated Flavones from Citrus Oils by Supercritical Fluid Chromatography”.
Comunicazione Poster
- 35** Fourth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, Bruges, Belgium, February 7-9, 1996.
L. Mondello, G. Dugo and K.D. Bartle.

“On-line Coupled HPLC-HRGC-MS in Food Analyses”.
Comunicazione Orale a Invito (7)

- 36** 18th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 20-24, 1996.
L. Mondello, M. Catalfamo, P. Dugo and G. Dugo.
“Multidimensional Capillary GC-GC System for the Analysis of Real Complex Samples”.
Comunicazione Poster (3)
- 37** 18th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 20-24, 1996.
L. Mondello, M. Catalfamo, P. Dugo and G. Dugo.
“Enantiomeric Distribution of Monoterpene Hydrocarbons and Monoterpene Alcohols of Citrus Oils by Multidimensional GC-GC Analysis”.
Comunicazione Poster (4)
- 38** 18th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 20-24, 1996.
D. Heaton, K.D. Bartle, A.A. Clifford, P. Dugo, L. Mondello and G. Dugo.
“Rapid Analysis of Polymethoxylated Flavones (PMFs) from Citrus Oils by SFC”.
Comunicazione Poster
- 39** XIX Congresso Nazionale, Ricerca e Tecnologia, Riccione, Italia, 9-14 Giugno 1996.
Giovanni Dugo, Luigi Mondello, Maurizio Catalfamo e Paola Dugo.
“Determinazione della distribuzione enantiomerica di componenti volatili di miscele complesse mediante gascromatografia multidimensionale”.
Comunicazione Poster
- 40** V Congresso Italo-Latinoamericano di Etnomedicina “Agostino Codazzi”, Roma, Italia, 18-20 Settembre 1996, Padula, Certosa, Italia, 21-22 Settembre 1996.
Dugo G., Mondello L., Catalfamo M. e Dugo P.
“Analisi di miscele complesse di sostanze volatili mediante gascromatografia multidimensionale”.
Comunicazione Poster
- 41** V Congresso Italo-Latinoamericano di Etnomedicina “Agostino Codazzi”, Roma, Italia, 18-20 Settembre 1996, Padula, Certosa, Italia, 21-22 Settembre 1996.
Della cassa E., Lorenzo D., Moyna P., Mondello L., Cotroneo A., Stagno d’Alcontres I. e Dugo P.
“La composizione dell’olio essenziale di tre piante aromatiche uruguayane: *Blepharocalyx tweediei* (ARRAYAN), *Eugenia uruguayensis* (GUAYABO BLANCO) e *Hyptis floribunda*”.
Comunicazione Poster
- 42** Tecniche Analitiche Avanzate per l’Analisi degli Olii Essenziali, Messina, Italia, 6 Maggio 1997.
Luigi Mondello.
“Sviluppo di un nuovo sistema GC multidimensionale”.

- 43** Nineteenth International Symposium on Capillary Chromatography and Electrophoresis, Wintergreen, Virginia, USA, May 18-22, 1997.
Luigi Mondello, Maurizio Catalfamo, Paola Dugo and Giovanni Dugo.
“Multidimensional Capillary GC-GC System for the Analysis of Real Complex Samples”.
Comunicazione Poster (5)
- 44** Nineteenth International Symposium on Capillary Chromatography and Electrophoresis, Wintergreen, Virginia, USA, 18-22 May 1997.
Paola Dugo, Luigi Mondello and Giovanni Dugo.
“Solid phase microextraction of flavor components in wines”.
Comunicazione Poster
- 45** Università di Messina, Dipartimento Farmaco-Chimico, Tecniche Cromatografiche per l’analisi di Alimenti e Prodotti Farmaceutici, Messina, Italia, 19-20 Giugno 1997.
Luigi Mondello.
“Gas Cromatografia con colonne capillari”.
Comunicazione Orale a Invito (9)
- 46** Chimica e Alimentazione: Obiettivo Salute, Roma, Italia, 30 Giugno-1 Luglio 1997.
Dugo G., Mondello L., Catalfamo M. e Dugo P.
“La determinazione della distribuzione enantiomerica dei componenti degli oli essenziali agrumari mediante gascromatografia multidimensionale”.
Comunicazione Poster
- 47** 16èmes Journées Internationales Huiles Essentielles, Digne les Bains, France, 3, 4, 5 & 6 Septembre 1997.
Luigi Mondello, Paola Dugo, Antonella Cotroneo and Giovanni Dugo.
“Techniques Multidimensionnelles Avancées pour l'Analyse des Huiles Essentielles de Bergamote”.
Comunicazione Orale a Invito (10)
- 48** 16èmes Journées Internationales Huiles Essentielles, Digne les Bains, France, 3, 4, 5 & 6 Septembre 1997.
Antonella Verzera, Alessandra Trozzi, Ildefonsa Stagno d'Alcontres and Luigi Mondello.
“The Composition of the Volatile Compounds of Calabrian Bergamot Essential Oils”.
Comunicazione Orale a Invito
- 49** WOCMAP II, II Congreso Mundial de Plantas Aromáticas y Medicinales para el Bienestar de la Humanidad, Mendoza, República Argentina, 10 al 15 de Noviembre de 1997.
Daniel Lorenzo , Antonella Verzera, Alessandra Trozzi, Luigi Mondello, Eduardo Dellacassa y P. Moyna.

“Estudio de composición de aceites esenciales cítricos del Uruguay: *Citrus clementine* Hort. 1”.

Comunicazione Poster

- 50** PITTCON '98, New Orleans, Louisiana, USA, March 1-5, 1998.
I.L. Bonaccorsi, H.M. McNair, L.A. Brunner, G. Dugo and L. Mondello.
“HPLC Methodology for the Determination of Organophosphorus and Organochlorine Pesticides in Citrus Juice”.
Comunicazione Poster
- 51** Seventh Latin American Congress On Chromatography, Águas de São Pedro, Brasil, March 25-27, 1998.
Luigi Mondello, Piero Previti, Antonella Cotroneo, G. Dugo, and H. McNair.
“Multidimensional Gas Chromatography: Analysis of Lemon Oils”.
Comunicazione Poster (6)
- 52** Seventh Latin American Congress On Chromatography, Águas de São Pedro, Brasil, March 25-27, 1998.
L. Mondello, A. Verzera, G. Dugo, E. Dellacassa, D. Lorenzo and A. Lloret.
“Multidimensional Gas Chromatography for Enantiomeric Analysis of Uruguayan Citrus Oils”.
Comunicazione Poster (7)
- 53** Seventh Latin American Congress On Chromatography, Águas de São Pedro, Brasil, March 25-27, 1998.
H.M. McNair, L.A. Brunner, L. Mondello, I. Bonaccorsi and P. Dugo.
“HPLC Methodology for Determination of Organophosphorus and Organochlorine Pesticides in Citrus Juice”.
Comunicazione Poster
- 54** 20th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 26-29, 1998.
L. Mondello, M. Catalfamo, G. Dugo, P. Dugo and I. Bonaccorsi.
“Analysis of High Boiling Compounds by an Innovative Multidimensional GC-GC System”.
Comunicazione Poster (8)
- 55** Università di Messina, Dipartimento Farmaco-Chimico, Le nuove frontiere della cromatografia, Messina, Italia 8-9 Settembre 1998.
L. Mondello.
“Gascromatografia multidimensionale”.
Comunicazione Orale a Invito (11)
- 56** 22nd International Symposium on Chromatography, Roma, Italia, September 13-18, 1998.
L. Mondello, M. Catalfamo and G. Dugo.
“A New Multidimensional Capillary Gas Chromatography System: Instrumentation Development and Applications”.
Comunicazione Orale a Invito (12)

- 57** 22nd International Symposium on Chromatography, Roma, Italia, September 13-18, 1998.
P. Dugo, L. Mondello, I. Bonaccorsi, H. McNair, E. Sebastiani and G. Dugo.
 “Characterization of the Oxygen Heterocyclic Compounds of Citrus Essential Oils by HPLC/MS with APcI⁺ Interface”.
 Comunicazione Poster
- 58** 22nd International Symposium on Chromatography, Roma, Italia, September 13-18, 1998.
 L. Mondello, A. Verzera, A. Cotroneo and G. Dugo.
 “Enantiomeric Distribution of Citrus Essential Oils Components by Multidimensional Capillary Gas Chromatography”.
 Comunicazione Poster
- 59** 3° Congresso Nazionale di Chimica degli Alimenti, Letojanni (Messina), Italia, 8-9 Ottobre 1998.
Dugo P., Mondello L., Dugo G., Bonaccorsi I., McNair H.M. and Sebastiani E.
 “HPLC/MS con interfaccia APcI⁺ per l'analisi di miscele naturali di composti eterociclici a nucleo contenente ossigeno”.
Comunicazione Orale
- 60** 3° Congresso Nazionale di Chimica degli Alimenti, Letojanni (Messina), Italia, 8-9 Ottobre 1998.
I.L. Bonaccorsi, H.M. McNair, L. Mondello e Giacomo Dugo.
 “Confronto delle Tecniche di Analisi HPLC e GC per la Determinazione di Residui di Pesticidi in Succhi di Agrumi”.
Comunicazione Poster
- 61** 3° Congresso Nazionale di Chimica degli Alimenti, Letojanni (Messina), Italia, 8-9 Ottobre 1998.
L. Mondello, A. Verzera, A. Cotroneo e G. Dugo.
 “Determinazione della Distribuzione Enantiomerica dei Composti degli Olii Essenziali Agrumari mediante Gascromatografia Multidimensionale”.
Comunicazione Poster (9)
- 62** International Congress, Bergamott98, Reggio Calabria, Italy, November 30-December 2, 1998.
Luigi Mondello, Piero Previti and Giovanni Dugo.
 “Multidimensional Advanced Techniques for the Analysis of Bergamot Oil”.
Comunicazione Orale a Invito (13)
- 63** International Congress, Bergamott98, Reggio Calabria, Italy, November 30-December 2, 1998.
Paola Dugo, Luigi Mondello and Rosaria Costa.
 “Coumarins and Psoralens Content of Calabrian Bergamot Essential Oils”.
Comunicazione Orale
- 64** International Congress, Bergamott98, Reggio Calabria, Italy, November 30-December 2, 1998.
 Giovanni Dugo, Luigi Mondello, Francesco Crispo and Antonella Cotroneo.
 “Enantiomeric Distribution of Volatile Components of the Bergamot Oil”.

Comunicazione Orale (2)

- 65** Università di Messina, Dipartimento Farmaco-Chimico, Metodiche HPLC e HPLC/MS per lo studio di Sostanze Naturali Biologicamente Attive, Messina, 17 Marzo 1999.
Luigi Mondello, Giacinto Errante, Giovanni Zappia, Paola Dugo e Giovanni Dugo.
“HPLC semipreparativa e analitica e HPLC/MS per l’isolamento, l’identificazione e il dosaggio delle antocianine di succhi di arance pigmentate”.
Comunicazione Orale a Invito (14)
- 66** Università di Messina, Dipartimento Farmaco-Chimico, Metodiche HPLC e HPLC/MS per lo studio di Sostanze Naturali Biologicamente Attive, Messina, 17 Marzo 1999.
Paola Dugo, Luigi Mondello e Giovanni Dugo.
“Identificazione di componenti minori della frazione a nucleo eterociclico contenente ossigeno degli olii essenziali agrumari mediante HPLC/MS”.
Comunicazione Orale a Invito
- 67** Università di Ferrara, Dip. Scienze Farmaceutiche, Facoltà di Farmacia, Metodiche HPLC e HPLC-MS per la Ricerca di Sostanze Naturali e di Xenobiotici nelle Bevande, Ferrara, Italia, 14 Maggio 1999.
L. Mondello
“Metodiche HPLC e HPLC/MS per lo studio delle antocianine di succhi di arance pigmentate”.
Comunicazione Orale a Invito (15)
- 68** Twenty-first International Symposium on Capillary Chromatography and Electrophoresis, Park City, Utah, USA, June 20-24, 1999.
Luigi Mondello, Giovanni Zappia, Giacomo Dugo and Giovanni Dugo.
“Fast GC for the Analysis of Natural Matrices”.
Comunicazione Orale a Invito (16)
- 69** 8th International Meeting on Recent Developments in Pharmaceuticaas Analysis (RDPA '99), Rome, June 29-July 3, 1999.
G. Errante, L. Mondello, P. Dugo, G. Dugo and G. Lamonica.
“Analytical and Semipreparative HPLC and HPLC/MS for Isolation, Identification and Quantitative Analysis of Anthocyanins of Blood Orange Juices”.
Comunicazione Poster
- 70** III Reunião da Sociedade Latino-Americana de Fitoquímica, Gramado, Brasil, de 13 a 17 de Setembro de 1999.
I. Loayza, W. De Groot, D. Lorenzo, E. Dellacassa, L. Mondello and G. Dugo.
“Composition of the Essential Oil of *Porophyllum Ruderale* (Jacq.) Cass. from Bolivia”.
Comunicazione Poster
- 71** 4° Congresso Italiano di Scienza e Tecnologia degli Alimenti - CISETA -, Cernobbio, 16-17 Settembre 1999.

P. Dugo, L. Mondello, G. Zappia, R. Stancanelli, G. Dugo and S. Ogliari.
“HPLC-APCI-MS Analysis of Coumarins, Psoralens and Polymethoxylated Flavones of Citrus Essential Oils”.
Comunicazione Poster a Invito

72 4° Congresso Italiano di Scienza e Tecnologia degli Alimenti - CISETA -,
Cernobbio, 16-17 Settembre 1999.
P. Dugo, L. Mondello, G. Errante, G. Lamonica, G. Dugo and S. Ogliari.
“Qualitative and Quantitative Analysis of Anthocyanins of Blood Orange
Juices by HPLC and HPLC/MS”.
Comunicazione Poster a Invito

73 Le Nuove Frontiere della Scienza della Separazione, Ferrara, Italia, 12-13
Ottobre 1999.
Luigi Mondello e Giovanni Dugo.
“Approcci gascromatografici innovativi per lo studio di matrici
complesse”.
Comunicazione Orale (3)

74 Workshop “Tecniche cromatografiche e tecnologie innovative nella
produzione e controllo degli alimenti.Cagliari, Italia, 14-15 Ottobre 1999.
G. Dugo, L. Mondello.
“Gascromatografia ultraveloce per l’analisi di matrici alimentari”.
Comunicazione Orale

75 13^a Rassegna Internazionale della Chimica e 36^a Edizione Mac ’99,
Milano, Italia, 19-22 ottobre 1999.
Luigi Mondello, Giovanni Zappia, Giacomo Dugo, Giovanni Dugo and
Franco Bruno.
“Fast GC for the Analysis of Fatty Acid Methyl Esters (FAMES) in Natural
Fats”.
Comunicazione orale a Invito (17)

76 13^a Rassegna Internazionale della Chimica e 36^a Edizione Mac ’99,
Milano, Italia, 19-22 ottobre 1999.
Luigi Mondello, Paola Dugo, Giacinto Errante, Giovanni Dugo and
Stefano Ogliari.
“HPLC and HPLC/MS for isolation, identification and quantitative
analysis of anthocyanins of blood orange juices”.
Comunicazione Orale a Invito (18)

77 13^a Rassegna Internazionale della Chimica e 36^a Edizione Mac ’99,
Milano, Italia, 19-22 ottobre 1999.
Luigi Mondello, Giovanni Zappia, Paola Dugo, Giacomo Dugo, Giovanni
Dugo and Franco Bruno.
“Fast GC for the Analysis of Essential Oils”.
Comunicazione Orale a Invito (19)

78 13^a Rassegna Internazionale della Chimica e 36^a Edizione Mac ’99,
Milano, Italia, 19-22 ottobre 1999.

Paola Dugo, Luigi Mondello, Giovanni Zappia, Giovanni Dugo and S. Ogliari.

“Characterisation of the Oxygen Heterocyclic Compounds of Citrus Essential Oils by HPLC-APCI⁺-MS”.

Comunicazione Orale a Invito

79 22nd International Symposium on Capillary Chromatography, Gifu, Japan, November 8-12, 1999.

L. Mondello, G. Zappia, P. Dugo, Giacomo Dugo, H.M. McNair, G. Dugo. “Fast GC for the Analysis of Essential Oils”.

Comunicazione Poster a Invito

80 22nd International Symposium on Capillary Chromatography, Gifu, Japan, November 8-12, 1999.

L. Mondello, G. Zappia, I. Bonaccorsi, Giacomo Dugo, H.M. McNair, G. Dugo.

“Fast GC for the Analysis of Natural Matrices. Determination of Fatty Acids Methyl Esters (FAMES) in Natural Fats”.

Comunicazione Poster a Invito

81 22nd International Symposium on Capillary Chromatography, Gifu, Japan, November 8-12, 1999.

L. Mondello, A. Cotroneo, Giacomo Dugo, Keith D. Bartle and G. Dugo.

“Multidimensional GC for the Analysis of Chiral Compounds”.

Comunicazione Poster a Invito

82 22nd International Symposium on Capillary Chromatography, Gifu, Japan, November 8-12, 1999.

P. Dugo, L. Mondello, G. Errante, L. Dugo, G. Dugo.

“Analysis of Volatile Flavour Compounds in Alcoholic Beverages Made with Fruits by SPME-GC”.

Comunicazione Poster a Invito

83 Solution for Scientists Symposium, Olympia, London, UK, 29-30 November 1999.

Luigi Mondello and Giovanni Dugo.

“Multidimensional Capillary Gas Chromatography for the Analysis of Real Samples”.

Comunicazione Orale a Invito (20)

84 International Citrus Symposium, Orlando, Florida, USA, February 15-18, 2000.

L. Mondello, G. Zappia, P. Dugo, Giacomo Dugo, G. Dugo and H.M. McNair.

“Fast GC for the Analysis of Citrus Essential Oils”.

Comunicazione Orale a Invito (21)

85 International Citrus Symposium, Orlando, Florida, USA, February 15-18, 2000.

G. Dugo, L. Mondello, A. Cotroneo and M. Catalfamo.

“Study on the Enantiomeric Distribution of Volatile Components of Citrus Essential Oils by Multidimensional Gas Chromatography (MDGC)”.

Comunicazione Orale a Invito (22)

86 International Citrus Symposium, Orlando, Florida, USA, February 15-18, 2000.

P. Dugo, L. Mondello, G. Errante and G. Dugo.

“Liquid Chromatography Coupled to Mass Spectrometry for the Identification of Oxygen Heterocyclic Compounds in Citrus Essential Oils”.

Comunicazione Orale a Invito

87 Applicazioni di Tecniche Analitiche Innovative per una Migliore Conoscenza del Vino e dell'Olio d'Oлива, Marsala, Italia, 19 Aprile 2000.

Luigi Mondello.

“Applicazione di un sistema gascromatografico ultraveloce all’analisi degli olii d’oliva”.

Comunicazione Orale (4)

88 Le Tecniche Strumentali nello Studio dell’Ambiente e della Salute Umana, Siena, Italia, 2 Giugno 2000.

F. Bruno, L. Mondello, G. Dugo.

“Nuove tecniche strumentali per la determinazione di inquinanti ambientali”.

Comunicazione Orale

89 23rd International Symposium on Capillary Chromatography, Riva del Garda, Italy, June 5-10, 2000.

A. Cavazza, K.D. Bartle, P. Dugo and L. Mondello.

“Analysis of Citrus Essential Oils by Capillary Electrochromatography (CEC) in Reversed Phase and with Non-aqueous Mobile Phase”.

Comunicazione Poster

90 23rd International Symposium on Capillary Chromatography, Riva del Garda, Italy, June 5-10, 2000.

L. Mondello, G. Zappia, P. Dugo, Giacomo Dugo, I. Bonaccorsi and G. Dugo.

“Fast-GC/FPD Determination of Organophosphorous Pesticides in Natural Complex Matrices”.

Comunicazione Poster

91 23rd International Symposium on Capillary Chromatography, Riva del Garda, Italy, June 5-10, 2000.

L. Mondello, G. Zappia, P. Dugo, Giacomo Dugo, I. Bonaccorsi and G. Dugo.

“Identification of Complex Samples by Fast-GC/MS Using Linear Retention Indices in Conjunction with the MS-Library”.

Comunicazione Poster (10)

92 Applicazioni di Tecniche Analitico-Strumentali nel Settore Agroalimentare, Grugliasco, Torino, Italia, 13 Giugno 2000.

F. Bruno, L. Mondello, G. Dugo.

“Fast GC con rivelatore fotometrico a fiamma su pesticidi in prodotti agroalimentari”

Comunicazione Orale

93 IV Congresso Nazionale di Chimica degli Alimenti, Ferrara, Italia, 28-30 Giugno 2000.

Dugo G., Mondello L.

“Approcci gascromatografici innovativi per lo studio di matrici complesse”

Comunicazione Orale a Invito

94 IV Congresso Nazionale di Chimica degli Alimenti, Ferrara, Italia, 28-30 Giugno 2000.

L. Mondello, G. Zappia, I. Bonaccorsi, Giacomo Dugo, Giovanni Dugo.

“GC veloce per l’analisi di matrici naturali. Determinazione di acidi grassi metilesteri (FAMES) in grassi naturali”.

Comunicazione Orale (5)

95 IV Congresso Nazionale di Chimica degli Alimenti, Ferrara, Italia, 28-30 Giugno 2000.

Paola Dugo, Luigi Mondello, Giacinto Errante, Giovanni Dugo.

“Caratterizzazione mediante HPLC/MS con interfaccia API di flavonoidi in matrici naturali”.

Comunicazione Orale

96 IV Congresso Nazionale di Chimica degli Alimenti, Ferrara, Italia, 28-30 Giugno 2000.

I. Nicoletti, C. Corradini, P. Dugo, L. Mondello, R. Stancanelli.

“Impiego di metodi cromatografici miniaturizzati applicati allo studio e alla caratterizzazione di nuovi integratori alimentari”.

Comunicazione Orale

97 IV Congresso Nazionale di Chimica degli Alimenti, Ferrara, Italia, 28-30 Giugno 2000.

Cavazza A., Bartle K.D., Dugo P., Mondello L.

“Analisi di composti eterociclici ossigenati in olii essenziali di agrumi mediante elettrocromatografia capillare (CEC) e confronto con HPLC”.

Comunicazione Poster

98 IV Congresso Nazionale di Chimica degli Alimenti, Ferrara, Italia, 28-30 Giugno 2000.

A. Cavazza, K. D. Bartle, P. Dugo, L. Mondello.

“Analisi di polimetossiflavoni in olii essenziali di agrumi mediante elettrocromatografia capillare”.

Comunicazione Poster

99 IV Congresso Nazionale di Chimica degli Alimenti, Ferrara, Italia, 28-30 Giugno 2000.

Mondello L., Zappia G., Dugo P., Dugo Giacomo, Dugo G.

“GC veloce per l’analisi di oli essenziali”.

Comunicazione Poster (11)

- 100** IV Congresso Nazionale di Chimica degli Alimenti, Ferrara, Italia, 28-30 Giugno 2000.
P. Dugo, L. Mondello, G. Errante, G. Dugo.
“Analisi di componenti volatili in bevande alcoliche a base di frutta mediante SPME-GC”.
Comunicazione Poster
- 101** IX Congresso Italo-Latinoamericano di Etnomedicina, Urbino 18-20, Roma 21 Settembre 2000.
Giovanni Dugo e Luigi Mondello.
“Gascromatografia Ultraveloce per l’Analisi di Matrici Complesse (Olii Essenziali, Grassi Animali e Vegetali)”
Comunicazione Orale a Invito
- 102** 23rd International Symposium on Chromatography, Olympia, London, UK, October 1-5, 2000.
L. Mondello, G. Zappia and G. Dugo.
“Fast GC and Fast GC-MS for analysis of natural complex mixtures”.
Comunicazione Orale a Invito (23)
- 103** Recenti Sviluppi e Nuovi Campi di Applicazione della LC-MS in Campo Chimico, Biologico e Biotecnologico, Milano, Italia, 24 Novembre 2000.
Luigi Mondello e Paola Dugo
“Analisi in HPLC-MS con interfaccia a pressione ambiente (API) di composti naturali biologicamente attivi”.
Comunicazione Orale a Invito (24)
- 104** Terzo Millennio: Il Futuro della Chimica Analitica nel Controllo Alimentare ed Ambientale, Roma, Italia, 22-24 Febbraio 2001.
L. Mondello, G. Zappia, G. Dugo, R. Shellie, P.J. Marriott.
“Metodi Gascromatografici Innovativi per l’Analisi di Matrici Complesse Alimentari”.
Comunicazione Orale (6)
- 105** 24th International Symposium on Capillary Chromatography and Electrophoresis, Las Vegas, USA, May 20-24, 2001.
Robert Shellie, Philip Marriott, Giovanni Zappia and Luigi Mondello.
“Chiral Essential Oil Analysis using Comprehensive Gas Chromatography”.
Comunicazione Poster
- 106** 9th International Meeting on Recent Developments in Pharmaceutical Analysis-RDPA '01, Lipari, Aeolian Islands, Messina, Italy, June 5-8, 2001.
L. Mondello and G. Dugo.
“Advanced Analytical Techniques for Pharmaceutical Analysis. The New Millenium Frontier”
Comunicazione Orale a Invito (25)

- 107** 9th International Meeting on Recent developments in Pharmaceutical Analysis RDPA '01, Lipari, Aeolian Islands, Messina, Italy, June 5-8, 2001.
Dugo P., Mondello L., Zappia G., Errante G., Dugo G.
 "Evaluation of Triacylglycerol (TAG) content in Vegetable Oils by Nonaqueous Reversed-Phase High Performance Liquid Chromatography (NARP-HPLC) with Atmosphere Pressure Chemical Ionisation Mass Spectrometry (HPLC/APCI/MS) Detection".
Comunicazione Poster
- 108** 9th International Meeting on Recent developments in Pharmaceutical Analysis RDPA '01, Lipari, Aeolian Islands, Messina, Italy, June 5-8, 2001.
Dugo P. , Mondello L., Errante G., Zappia G., Dugo G., Serraino I., Dugo L., Cuzzocrea S.
 "HPLC/ESI/MS Analysis of Anthocyanins in Red Fruits".
Comunicazione Poster
- 109** 9th International Meeting on Recent developments in Pharmaceutical Analysis RDPA '01, Lipari, Aeolian Islands, Messina, Italy, June 5-8, 2001.
L. Mondello, G. Zappia, G. Errante, P. Dugo and G. Dugo.
 "Fast GC for the Analysis of Fats and Oils".
Comunicazione Poster (12)
- 110** 9th International Meeting on Recent developments in Pharmaceutical Analysis RDPA '01, Lipari, Aeolian Islands, Messina, Italy, June 5-8, 2001.
L. Mondello, G. Zappia, G. Errante, P. Dugo and G. Dugo.
 "Multidimensional Gas Chromatography (MDGC) for the Analysis of Chiral Compounds".
Comunicazione Poster (13)
- 111** Tecniche Cromatografiche Innovative nel Settore Agro-Alimentare, Cagliari, Italia, 17 Luglio 2001.
Luigi Mondello.
 "HPLC e HPLC/MS per la determinazione di sostanze biologicamente attive da matrici alimentari".
Comunicazione Orale a Invito (26)
- 112** GC-2010 Tour, Duisburg, Germany, September 4, 2001.
Luigi Mondello and Giovanni Dugo.
 "Conventional and Fast GC for the Analysis of Natural Complex Mixtures".
Comunicazione Orale a Invito (27)
- 113** GC-2010 Tour, Darmstadt, Germany, September 6, 2001.
Luigi Mondello and Giovanni Dugo.
 "Conventional and Fast GC for the Analysis of Natural Complex Mixtures".
Comunicazione Orale a Invito (28)

- 114** GC-2010 Tour, Berlin, Germany, September 11, 2001.
Luigi Mondello and Giovanni Dugo.
“Conventional and Fast GC for the Analysis of Natural Complex Mixtures”.
Comunicazione Orale a Invito (29)
- 115** GC-2010 Tour, Leipzig, Germany, September 12, 2001.
Luigi Mondello and Giovanni Dugo.
“Conventional and Fast GC for the Analysis of Natural Complex Mixtures”.
Comunicazione Orale a Invito (30)
- 116** GC-2010 Tour, Munchen, Germany, September 13, 2001.
Luigi Mondello and Giovanni Dugo.
“Conventional and Fast GC for the Analysis of Natural Complex Mixtures”.
Comunicazione Orale a Invito (31)
- 117** 5° Congresso Italiano di Scienza e Tecnologia degli Alimenti (CISETA), Cernobbio (CO) 13- 14 September 2001.
L. Mondello, G. Zappia, G. Dugo.
“Metodi cromatografici innovativi per l’analisi di matrici complesse alimentari”.
Comunicazione Poster
- 118** 6th Workshop on the “Developments in the Italian PhD Research in Food Science and Technology”, Acitrezza (CT), Italy, 20-22 Settembre 2001.
G. Dugo, L. Mondello.
“Gascromatografia convenzionale e ultraveloce per l’analisi di miscele naturali complesse”.
Comunicazione Orale a Invito
- 119** 15. Norske Symposium i Kromatografi, Sandefjord, Norvegia, 6-8 Gennaio 2002.
L. Mondello and G. Dugo.
“Advanced Analytical Techniques for Nutraceuticals Analysis”.
Comunicazione Orale a Invito (32)
- 120** Seventh International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, Brugge, Belgium, February 6-8, 2002.
L. Mondello, P. Dugo and G. Dugo.
“Advanced Analytical Techniques for the Characterization of Complex Matrices: Multidimensional and Fast GC Methods”.
Comunicazione Orale a Invito (33)
- 121** Attualità ed Interdisciplinarietà della Chimica Analitica, Roma, Italia, 20-22 Febbraio 2002.
Luigi Mondello e Giovanni Dugo.
“Metodi cromatografici innovativi per l’analisi di miscele naturali”.

- 122** Attualità ed Interdisciplinarietà della Chimica Analitica, Roma, Italia, 20-22 Febbraio 2002.
Luigi Mondello e Giovanni Dugo.
“Tecniche gascromatografiche innovative per l’analisi degli oli essenziali: una realtà di oggi che trae origine da una brillante intuizione del passato del prof. Arnaldo Liberti”.
Comunicazione Orale
- 123** 25th International Symposium on Capillary Chromatography on Capillary Chromatography, Riva del Garda, Italy, May 13-17, 2002.
Luigi Mondello and Giovanni Dugo
”Multidimensional and Fast-GC Methods for Food Analysis”.
Comunicazione Orale (8)
- 124** 25th International Symposium on Capillary Chromatography on Capillary Chromatography, Riva del Garda, Italy, May 13-17, 2002.
Luigi Mondello, Paola Dugo, Adriana Lloret and Giovanni Dugo
“Fast-GC for the Analysis of the Volatile Fraction of Citrus Oils”.
Comunicazione Poster
- 125** 25th International Symposium on Capillary Chromatography on Capillary Chromatography, Riva del Garda, Italy, May 13-17, 2002.
Luigi Mondello, Paola Dugo, Ivana Bonaccorsi, Adriana Lloret, Lucia Cicero and Giovanni Dugo.
“Determination of Fatty Acid Methyl Methyl Esters in Fats and Oils by Fast-GC”.
Comunicazione Poster
- 126** 25th International Symposium on Capillary Chromatography on Capillary Chromatography, Riva del Garda, Italy, May 13-17, 2002.
P. Dugo, L. Mondello, D. Morabito and G. Dugo.
MicroHPLC-ESI-MS of Anthocyanins in Fruit Juices”.
Comunicazione Poster
- 127** 25th International Symposium on Capillary Chromatography on Capillary Chromatography, Riva del Garda, Italy, May 13-17, 2002.
Luigi Mondello, Paola Dugo, Adriana Lloret and Giovanni Dugo.
“Identification of Complex Samples by Fast GC/MS using a Conventional Mass Spectrometer”.
Comunicazione Poster
- 128** 25th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 13-17, 2002.
Luigi Mondello, Paola Dugo, Adriana Lloret, Lucia Cicero, Giacomo Dugo and Giovanni Dugo.
“Determination of Organophosphorous Pesticides in Vegetable Oils by Fast-GC/FPD and Fast-GC/FTD”.
Comunicazione Poster

- 129** Semináře “Fast GC”, Brně, Czech Republic, 22 Maggio 2002.
Luigi Mondello and Giovanni Dugo.
“Theory of Fast GC”.
Comunicazione Orale a Invito
- 130** Semináře “Fast GC”, Brně, Czech Republic, 22 Maggio 2002.
Luigi Mondello and Giovanni Dugo.
“Application of fast GC to Real Natural Samples”.
Comunicazione Orale a Invito (34)
- 131** Premio Sapio per la Ricerca Italiana 2002, Roma, Italia, 4 Giugno 2002.
Luigi Mondello.
“Gascromatografia veloce e multidimensionale per il controllo di qualità di oli essenziali”.
Comunicazione Orale a Invito (35)
- 132** Scienza, etica e mercato nelle produzioni agricole, Marsala, Italia, 18 Giugno 2002. Erice, Italia, 19 Giugno 2002.
Paola Dugo, Luigi Mondello.
“Determinazione del tenore in antociani in vini siciliani”.
Comunicazione Orale a Invito
- 133** Scienza, etica e mercato nelle produzioni agricole, Marsala, Italia, 18 Giugno 2002. Erice, Italia, 19 Giugno 2002.
Luigi Mondello.
“Analisi Fast-GC di matrici alimentari”.
Comunicazione Orale a Invito (36)
- 134** Metodi cromatografici innovativi per la caratterizzazione di polifenoli ed altri componenti minori nel vino, Roma, Italia, 20 Giugno 2002.
Paola Dugo, Luigi Mondello e Giovanni Dugo.
“Analisi μ HPLC e μ HPLC-ESI-MS della frazione antocianinica dei vini rossi”.
Comunicazione Orale a Invito
- 135** Massa 2002, An International Symposium on Mass Spectrometry, Cetraro (CS), Italia, 27 Giugno-1 Luglio 2002.
o, Luigi Mondello e Giovanni Dugo.
“Micro HPLC/MS per lo Studio di Molecole Biologicamente attive in Matrici Alimentari”.
Comunicazione Orale a Invito
- 136** Il Laboratorio di Prova nel Monitoraggio Ambientale e Biologico dell’Esposizione Professionale a Xenobiotici, Fondazione “Salvatore Maugeri”, Pavia, Italia, 4 Ottobre 2002.
F. Bruno, L. Mondello e G. Dugo.
“Possibilità e Potenzialità Applicative della GC-High Speed”.
Comunicazione Orale

- 137** FAFS, Food Authenticity and Food Safety. Metodiche Analitiche Avanzate Applicate all'Autenticazione ed alla Sicurezza Alimentare, Novara, Italia, 17-18 Ottobre 2002.
Luigi Mondello, Paola Dugo e Giovanni Dugo.
"Metodi Cromatografici Miniaturizzati (Ultra-fast e Multidimensionali) per la Caratterizzazione di Matrici Alimentari".
Comunicazione Orale
- 138** FAFS, Food Authenticity and Food Safety. Metodiche Analitiche Avanzate Applicate all'Autenticazione ed alla Sicurezza Alimentare, Novara, Italia, 17-18 Ottobre 2002.
Franco Bruno, Luigi Mondello e Giovanni Dugo.
"L'evoluzione Strumentale e le Tecniche Innovative nella Gascromatografia 'Ultra Fast' e nella 'Fast' GC-MS".
Comunicazione Orale (9)
- 139** FAFS, Food Authenticity and Food Safety. Metodiche Analitiche Avanzate Applicate all'Autenticazione ed alla Sicurezza Alimentare, Novara, Italia, 17-18 Ottobre 2002.
Luigi Mondello, Paola Dugo, Ivana Bonaccorsi, Adriana Lloret, Lucia Cicero e Giovanni Dugo.
"Analisi degli Esteri Metilici degli Acidi Grassi di Oli e Grassi mediate Fast-GC".
Comunicazione Poster
- 140** FAFS, Food Authenticity and Food Safety. Metodiche Analitiche Avanzate Applicate all'Autenticazione ed alla Sicurezza Alimentare, Novara, Italia, 17-18 Ottobre 2002.
Paola Dugo, Luigi Mondello, Domenica Morabito e Giovanni Dugo.
"MicroHPLC-MS per lo Studio della Frazione Antocianinica in Matrici Alimentari".
Comunicazione Poster
- 141** First International Symposium on Comprehensive Multidimensional Gas Chromatography, Volendam, Netherlands, March 6-7, 2003.
Luigi Mondello, Alessandro Casilli and Giovanni Dugo.
"Comprehensive GCxGC for Food Analysis".
Comunicazione Poster
- 142** Fast GC and Fast GC/MS Seminar, Hannover, Germany, 1 Aprile 2003.
Luigi Mondello
"Ultra-Fast GC for the Analysis of Adulterations in Oils and Fats".
Comunicazione Orale a Invito (37)
- 143** Fast GC and Fast GC/MS Seminar, Berlin, Germany, 2 Aprile 2003.
Luigi Mondello.
"Ultra-Fast GC for the Analysis of Adulterations in Oils and Fats".
Comunicazione Orale a Invito (38)
- 144** Fast GC and Fast GC/MS Seminar, Leipzig, Germany, 3 Aprile 2003.
Luigi Mondello.

- “Ultra-Fast GC for the Analysis of Adulterations Oils and Fats”.
Comunicazione Orale a Invito (39)
- 145** Fast GC and Fast GC/MS Seminar Duisburg, Germany, 8 Aprile 2003.
Luigi Mondello.
 “Ultra-Fast GC for the Analysis of Adulterations in Oils and Fats”.
 Comunicazione Orale a Invito (40)
- 146** Fast GC and Fast GC/MS Seminar, Munich, Germany, 10 Aprile 2003.
Luigi Mondello.
 “Ultra-Fast GC for the Analysis of Adulterations in Oils and Fats”.
Comunicazione Orale a Invito (41)
- 147** 26th International Symposiumon Capillary Chromatography & Electrophoresis, Las Vegas, Nevada, USA, May 18-22, 2003.
Luigi Mondello, and Giovanni Dugo.
 “Comprehensive GCXGC for Food Analysis”.
Comunicazione Orale (10)
- 148** 26th International Symposiumon Capillary Chromatography & Electrophoresis, Las Vegas, Nevada, USA, May 18-22, 2003.
 P.Q. Tranchida, L. Mondello and G. Dugo.
 “The Application of Ultra-fast GC in Analytical Food Chemistry”.
 nicazione Poster
- 149** 26th International Symposium on Capillary Chromatography & Electrophoresis, Las Vegas, Nevada, USA, May 18-22, 2003.
 Luigi Mondello, Peter Quinto Tranchida, Lucia Cicero, Alessandro Casilli, Paola Dugo and Giovanni Dugo.
 “Determination of Essential Oil Composition and Adulterants with Ultra-fast GC”.
 nicazione Poster
- 150** 26th International Symposiumon Capillary Chromatography & Electrophoresis, Las Vegas, Nevada, USA, May 18-22, 2003.
 Luigi Mondello, Peter Quinto Tranchida, Rosaria Costa, Biagina Chiofalo, Alessandro Casilli, Paola Dugo and Giovanni Dugo.
 “Application of Ultra-fast GC in the Analysis of Lipids”.
 nicazione Poster
- 151** 26th International Symposiumon Capillary Chromatography & Electrophoresis, Las Vegas, Nevada, USA, May 18-22, 2003.
 Luigi Mondello, Peter Quinto Tranchida, Lucia Cicero, Athanasia Sakkà, Paola Dugo, Rosaria Costa, Vincenzo Chiofalo and Giovanni Dugo.
 “Reliable Identification of Classes of Compounds using Spectrometric Informations with Linear Retetion Indices”.
 nicazione Poster
- 152** 26th International Symposiumon Capillary Chromatography & Electrophoresis, Las Vegas, Nevada, USA, May 18-22, 2003.

Luigi Mondello, Peter Quinto Tranchida, Lucia Cicero, Alessandro Casilli, Paola Dugo and Giovanni Dugo.

“Determination of Organophosphorous Pesticides in Vegetable Oils by Ultra-fast GC/FPD and Ultra-fast GC/FTD”.

nicazione Poster

153 26th International Symposium on Capillary Chromatography and Electrophoresis, Las Vegas, Nevada, USA, May 18-22, 2003.

Paola Dugo, Luigi Mondello, Olinda Favoino, Maria Lo Presti, Rosario Luppino and Giovanni Dugo.

“MicroHPLC-ESI-MS and MicroHPLC-UV-PDA of anthocyanins in fruit juices”.

nicazione Poster

154 Séminaire de Grasse. Techniques d’analyses rapide pour arômes et parfums, Grasse, France, 5 Juin 2003.

Luigi Mondello.

“Fast GCMS pour analyses des huiles et acides gras”.

Comunicazione Orale a Invito (42)

155 Qualità e Sicurezza degli Alimenti. V Congresso Nazionale di Chimica degli Alimenti, Parma, Italia, 9-12 Giugno 2003.

Luigi Mondello e Giovanni Dugo.

“La gascromatografia ortogonale (GCXGC) per l’analisi di matrici alimentari”.

Comunicazione Orale

156 Qualità e Sicurezza degli Alimenti. V Congresso Nazionale di Chimica degli Alimenti, Parma, Italia, 9-12 Giugno 2003.

Paola Dugo, Luigi Mondello, Olinda Favoino, Maria Lo Presti, Rosario Luppino e Giovanni Dugo.

“Micro HPLC-ESI-MS e Micro HPLC-UV-PDA di antocianine in succhi di frutta”.

Comunicazione Orale

157 Qualità e Sicurezza degli Alimenti. V Congresso Nazionale di Chimica degli Alimenti, Parma, Italia, 9-12 Giugno 2003.

Luigi Mondello, Peter Quinto Tranchida, Rosaria Costa, Biagina Chiofalo, Alessandro Casilli, Paola Dugo e Giovanni Dugo.

“Applicazione dell’Ultrafast-GC per l’analisi dei lipidi”.

Comunicazione Orale

158 Qualità e Sicurezza degli Alimenti. V Congresso Nazionale di Chimica degli Alimenti, Parma, Italia, 9-12 Giugno 2003.

Luigi Mondello, Alessandro Casilli, Peter Quinto Tranchida, Lucia Cicero, Paola Dugo, Antonella Cotroneo e Giovanni Dugo.

“Determinazione della composizione e individuazione delle adulterazioni degli olii essenziali mediante Ultrafast-GC”.

Comunicazione Orale

- 159** Qualità e Sicurezza degli Alimenti. V Congresso Nazionale di Chimica degli Alimenti, Parma, Italia, 9-12 Giugno 2003.
Luigi Mondello, Rosaria Costa, Biagina Chiofalo, Alessandro Zumbo, Paola Dugo e Giovanni Dugo.
“Analisi dei componenti volatili dell’aroma di formaggio caprino siciliano mediante SPME-GC/MS”.
Comunicazione Orale
- 160** Qualità e Sicurezza degli Alimenti. V Congresso Nazionale di Chimica degli Alimenti, Parma, Italia, 9-12 Giugno 2003.
Paola Dugo, Luigi Mondello, Rosario Luppino, Olinda Favoino e Giovanni Dugo.
“Analisi dei trigliceridi in olii e grassi di origine animale e vegetale mediante HPLC con colonne monolitiche”.
Comunicazione Poster
- 161** Qualità e Sicurezza degli Alimenti. V Congresso Nazionale di Chimica degli Alimenti, Parma, Italia, 9-12 Giugno 2003.
Maria Chiara Pietrogrande, Luigi Mondello e Giovanni Dugo.
“Analisi gascromatografica di olii essenziali: decodifica di cromatogrammi complessi mediante analisi di fourier”.
Comunicazione Poster
- 162** Qualità e Sicurezza degli Alimenti. V Congresso Nazionale di Chimica degli Alimenti, Parma, Italia, 9-12 Giugno 2003.
Luigi Mondello, Rosaria Costa, Biagina Chiofalo, Vincenzo Chiofalo, Luigi Liotta, Paola Dugo e Giovanni Dugo.
“Caratteristiche della frazione lipidica delle carni del suino nero siciliano mediante GC ultraveloce”.
Comunicazione Poster
- 163** Qualità e Sicurezza degli Alimenti. V Congresso Nazionale di Chimica degli Alimenti, Parma, Italia, 9-12 Giugno 2003.
Luigi Mondello, Peter Quinto Tranchida, Lucia Cicero, Alessandro Casilli, Paola Dugo e Giovanni Dugo.
“Determinazione di pesticidi organofosforici in olii vegetali mediante Ultrafast GC/FPD e Ultrafast GC/FTD”.
Comunicazione Poster
- 164** Qualità e Sicurezza degli Alimenti. V Congresso Nazionale di Chimica degli Alimenti, Parma, Italia, 9-12 Giugno 2003.
I. Serraino, L. Dugo, P. Dugo, L. Mondello, E. Mazzon, G. Dugo, A.P. Caputi e S. Cuzzocrea.
“Effetti protettivi della Cyanidin-3-O-Glucoside estratta dal succo di more nei confronti del danno vascolare e della disfunzione endoteliale indotta dal perossinitrito”.
Comunicazione Poster
- 165** Qualità e Sicurezza degli Alimenti. V Congresso Nazionale di Chimica degli Alimenti, Parma, Italia, 9-12 Giugno 2003.

A. Rossi, I. Serraino, P. Dugo, R. Di Paola, L. Mondello, T. Genovese, G. Dugo, L. Sautebin, A.P. Caputi e S. Cuzzocrea.
“Effetti protettivi delle antocianine estratte dal succo di more in un modello di infiammazione acuta polmonare nel ratto”.
Comunicazione Poster

166 Qualità e Sicurezza degli Alimenti. V Congresso Nazionale di Chimica degli Alimenti, Parma, Italia, 9-12 Giugno 2003.
Paola Dugo, Luigi Mondello, Olinda Favoino e Giovanni Dugo.
“HPLC-APCI/MS di trigliceridi in olii e grassi di origine animale e vegetale”.
Comunicazione Poster

167 Qualità e Sicurezza degli Alimenti. V Congresso Nazionale di Chimica degli Alimenti, Parma, Italia, 9-12 Giugno 2003.
Paola Dugo, Luigi Mondello, Maria Lo Presti, Olinda Favoino.
“HPLC-APCI/MS per l’analisi dei componenti a nucleo eterociclico contenente ossigeno degli olii essenziali agrumari”.
Comunicazione Poster

168 Qualità e Sicurezza degli Alimenti. V Congresso Nazionale di Chimica degli Alimenti, Parma, Italia, 9-12 Giugno 2003.
Luigi Mondello, Peter Quinto Tranchida, Lucia Cicero, Athanasia Sakkà, e Giovanni Dugo.
“Identificazione di componenti di miscele complesse mediante GC/MS e indici di ritenzione lineari”.
Comunicazione Poster

169 XXI Congresso Nazionale della Società Chimica Italiana, Torino, Italia, 22-27 Giugno 2003.
Luigi Mondello, Paola Dugo, Giovanni Dugo.
“Fast GC/MS con Colonne Micro-bore e Macro-bore”.
Comunicazione Orale a Invito (43)

170 Fast GC and Fast GC/MS Seminar, Madrid, Spagna, 25 Giugno 2003.
Luigi Mondello.
“Fast GC and Ultra-fast GC/MS for the Analysis of Essential Oils and Fats”.
Comunicazione Orale a Invito

171 Fast GC and Fast GC/MS Seminar, Barcelona, Spagna, 25 Giugno 2003.
Luigi Mondello.
“Fast GC and Ultra-fast GC/MS for the Analysis of Essential Oils and Fats”.
Comunicazione Orale a Invito (44)

172 10th Meeting on Recent Developments in Pharmaceutical Analysis, Cogne, Valle D’Aosta, Italy, 28 June-1 July, 2003.
G. Dugo, L. Mondello.
“Innovative Gas Chromatographic Approach in Environmental and Food Chemistry”.
Comunicazione Orale a Invito

- 173** Sicurezza alimentare e certificazione di qualità, Castel del Monte, Andria, Bari, Italia, 4 Luglio 2003.
Luigi Mondello.
 “Metodi Innovativi di Analisi Cromatografia nel Campo Agroalimentare (Fast GC, Fast GC-MS, GCxGC)”.
Comunicazione Orale a Invito (45)
- 174** 34th International Symposium On Essential Oils, Wurzburg, Germany, September 7-10, 2003.
Luigi Mondello and Giovanni Dugo.
 “Ultra Fast GC and Ultra Fast GC/MS for the Analysis of Essential Oils”.
Comunicazione Orale (11)
- 175** 34th International Symposium On Essential Oils, Wurzburg, Germany, September 7-10, 2003.
 Luigi Mondello, Alessandro Casilli, Peter Quinto Tranchida, Paola Dugo and Giovanni Dugo.
 GC for the Determination of Essential Oil Composition and Aldulteration”.
 Comunicazione Poster
- 176** 34th International Symposium On Essential Oils, Wurzburg, Germany, September 7-10, 2003.
 Paola Dugo, Luigi Mondello, Olinda Favoino, Maria Lo Presti, Rosario Luppino and Giovanni Dugo.
 on of Oxygen Heterocyclic Components of Cold-pressed Citrus Essential Oils”.
 Comunicazione Poster
- 177** La Microestrazione in fase solida (SPME), Messina, Italia, 28 Ottobre 2003.
 L. Mondello, P.Q.Tranchida, R.Costa, A.Casilli e G. Dugo.
 “Analisi SPME-GC e SPME-GCxGC dei componenti dell’Aroma del Caffè Tostato”.
 Comunicazione Orale a Invito
- 178** La Microestrazione in fase solida (SPME), Messina, Italia, 28 Ottobre 2003.
 L. Mondello, R.Costa, B. Chiofalo, A. Zumbo, P. Dugo e G. Dugo.
 “Analisi dei componenti Volatili nell’Aroma del formaggio mediante SPME-GC/MS”.
 Comunicazione Orale a Invito
- 179** Giornate di Scienza delle Separazioni. Alimentazione, Ambiente, Salute: le sfide analitiche che attendono i giovani. C.N.R. – Area della Ricerca di Roma 1. 15-16 Dicembre 2003.
Alessandro Casilli, Luigi Mondello, Paola Dugo e Giovanni Dugo.
 “Gascromatografia Multidimensionale (GCxGC) - Tecnica Innovativa per lo Studio di Matrici Alimentari”.
Comunicazione Orale

- 180** Giornate di Scienza delle Separazioni. Alimentazione, Ambiente, Salute: le sfide analitiche che attendono i giovani. C.N.R. – Area della Ricerca di Roma 1, 15-16 Dicembre 2003.
R. Luppino, O. Favoino, M. Lo Presti, P. Dugo, G. Dugo e L. Mondello.
“HPLC Multidimensionale (LCxLC) per lo Studio di Matrici Alimentari”.
Comunicazione Orale
- 181** Eighth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, Brugge, Belgium, February 4-6, 2004.
Luigi Mondello and Giovanni Dugo.
“Multidimensional Chromatography for Food Analysis”.
Comunicazione Orale a Invito (46)
- 182** Eighth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, Brugge, Belgium, February 4-6, 2004.
Luigi Mondello.
“Ultra Fast GC and Ultra Fast GC/MS for the Analysis of Real Complex Samples using 50 and 100 mm columns”.
Comunicazione Orale a Invito (47)
- 183** Eighth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, Brugge, Belgium, February 4-6, 2004.
Luigi Mondello, Alessandro Casilli, Peter Quinto Tranchida, Paola Dugo and Giovanni Dugo.
“Comprehensive Gas Chromatographic Analysis of Food Matrices”.
Comunicazione Poster (14)
- 184** Eighth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, Brugge, Belgium, February 4-6, 2004.
Paola Dugo, Olinda Favoino, Rosario Luppino, Maria Lo Presti, Giovanni Dugo and Luigi Mondello.
“Comprehensive Two Dimensional NP (Adsorption)-RP Liquid Chromatography for Food Analysis”.
Comunicazione Poster (15)
- 185** Nouveaux développements pour l’analyse des arômes et parfums, Grasse, France, 8 Avril 2004.
Luigi Mondello.
“Comprehensive GCxGC and Comprehensive GCxGC/qMS for the analysis of Flavour and Fragrances”.
Comunicazione Orale a Invito (48)
- 186** Nouveaux développements pour l’analyse des arômes et parfums, Grasse, France, 8 Avril 2004.
Luigi Mondello.
“Fast GC and GC/MS for the Analysis of Volatile Components”.
Comunicazione Orale a Invito (49)

- 187** Nouveaux développements pour l'analyse des arômes et parfums, Les Champs Blancs, Chavannes-de-Bogis, Switzerland, 23 Avril 2004.
Luigi Mondello.
: GCxGC and Comprehensive GCxGC/qMS for the analysis of Flavours and Fragances”.
Comunicazione Orale a Invito (50)
- 188** Nouveaux développements pour l'analyse des arômes et parfums, Les Champs Blancs, Chavannes-de-Bogis, Switzerland, 23 Avril 2004.
Luigi Mondello.
C/MS for the Analysis of Volatiles”.
Comunicazione Orale a Invito (51)
- 189** 27th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 31-June 4, 2004.
Dugo P., Dugo G., Mondello Luigi.
“Comprehensive Techniques for the Analysis of Natural Matrices”.
Comunicazione Orale a Invito (52)
- 190** 27th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 31-June 4, 2004.
Casilli A., Tranchida P.Q., CiceroL., Costa R., Dugo P., Dugo G., Mondello L.
“Fast Comprehensive GCxGC Food Analysis”.
Comunicazione Poster
- 191** 27th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 31-June 4, 2004.
Casilli A., Costa R., Tranchida P.Q., Dugo P., Dugo G., Mondello L.
“The Triple-Dimensional analysis of Higly Complex Food Samples Through GCxGC-q MS”.
Comunicazione Poster
- 192** 27th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 31-June 4, 2004.
Tranchida P.Q., Casilli A., Cicero L., Dugo P., Dugo G., Mondello L.
“Ultra-Fast GC Analisys with 50 µm I.D. Column: Practical Aspects and Applications”.
Comunicazione Poster
- 193** 27th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 31-June 4, 2004.
Lo Presti M., Öhman M., Dugo P., Dugo G., Mondello L.
“Determination of Flavonoids in Citrus Juices by Micro-HPLC”.
Comunicazione Poster
- 194** 27th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 31-June 4, 2004.
Favonio O., Dugo P., Dugo G., Mondello L.

“RP-LC Coupled to SI-LC-MS for the Characterisation of Triacylglycerol Positional Isomers.”

Comunicazione Poster

195 27th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 31-June 4, 2004.

Dugo P., Favonio O., Luppino R., Lo Presti M., Dugo G., Mondello L.

“Comprehensive Two Dimensional Liquid Chromatography in the Study of Food Matrices”.

Comunicazione Poster

196 27th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 31-June 4, 2004.

Costa R., Casilli A., Tranchida P.Q., Festa S., Dugo P., Dugo G., Mondello L.

“Automated SPME-GC/MS Analysis of Coffee Flavor”.

Comunicazione Poster

197 27th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 31-June 4, 2004.

Costa R., Chiofalo B., Chiofalo L., Dugo P., Dugo G., Mondello L.

“SPME-GC/MS: A Suitable Technique for the Analysis of Cheese Aroma Profile”.

Comunicazione Poster

198 La Microestrazione in fase solida (SPME). Una tecnica semplice per determinare quantitativamente Nutrienti e Contaminanti in Matrici Alimentari ed Ambientali, Torino, Italia, 18 Giugno 2004.

Franco Bruno, Luigi Mondello e Giovanni Dugo.

“Strumentazione ed applicazioni della Tecnica Ultra Fast GC e Fast GCMS”.

Comunicazione Orale a Invito

199 10° Thermo Week. Corso di Cromatografia-Spettrometria di Massa. Applicazioni Agroalimentari, Acitrezza-CT, Italia, 21-24 Giugno 2004.

Paola Dugo, Luigi Mondello e Giovanni Dugo.

“Micro e nano-HPLC”.

Comunicazione Orale a Invito

200 10° Thermo Week. Corso di Cromatografia-Spettrometria di Massa, Applicazioni Agroalimentari, Acitrezza-CT, Italia, 21-24 Giugno 2004.

Paola Dugo, Luigi Mondello, Giovanni Dugo e Giacomo Dugo.

“Cromatografia multidimensionale”.

Comunicazione Orale a Invito

201 10° Thermo Week. Corso di Cromatografia-Spettrometria di Massa, Applicazioni Agroalimentari, Acitrezza-CT, Italia, 21-24 Giugno 2004.

Paola Dugo, Luigi Mondello e Giovanni Dugo.

“Oli essenziali agrumari, flavoni”.

Comunicazione Orale a Invito

- 202** Nuovi approcci analitici nei settori ambientale ed alimentare, Oristano, Italia, 24 Giugno 2004.
Franco Bruno, Luigi Mondello e Giovanni Dugo.
“Le potenzialità delle tecniche Fast GC e Fast GC-MS: peculiarità costruttive della strumentazione analitica e settori di applicazione”.
Comunicazione Orale a Invito
- 203** 6th Congress of the International Society for the Study of Fatty Acids and Lipids, Brighton, UK, June 27-July 1, 2004.
Luigi Mondello.
“Ultra Fast GC and Ultra Fast GC-MS for the Analysis of Fatty Acid Methyl Esters from Vegetable and Animal Lipids”.
Comunicazione Orale a Invito (53)
- 204** 6th Congress of the International Society for the Study of Fatty Acids and Lipids, Brighton, UK, June 27-July 1, 2004.
Luigi Mondello and Giovanni Dugo.
“Group Type Separation of Natural Fats and Oils by Comprehensive Two Dimensional Gas Chromatography (GCxGC)”.
Comunicazione Poster a Invito
- 205** 8th International Conference on Goats, Pretoria, South Africa, 4-9 July, 2004.
B. Chiofalo, A. Zumbo, R. Costa, L. Mondello, P. Dugo and V. Chiofalo.
“Characterisation of the cheese flavour of the Maltese goats using SPME-GC/MS”.
Comunicazione Poster
- 206** 3^a Scuola Nazionale Suolo e Acque Interne, Viterbo, Italia, 13-17 Settembre 2004.
Giacinto Errante, Paola Dugo e Luigi Mondello.
“Recenti sviluppi della IC-HPLC nell’analisi chimica strumentale”.
Comunicazione Orale
- 207** 2nd International Symposium on Comprehensive Multidimensional Gas Chromatography, Atlanta, Georgia, USA, August 31-September 3, 2004.
Luigi Mondello, Peter Q. Tranchida, Alessandro Casilli, Giovanni Dugo, Paola Dugo.
“Comprehensive Two-Dimensional Gas Chromatography in Food Analysis”.
Comunicazione Orale a Invito (54)
- 208** 2nd International Symposium on Comprehensive Multidimensional Gas Chromatography, Atlanta, Georgia, USA, August 31-September 3, 2004.
P.Q. Tranchida, A. Casilli, G. Dugo, L. Mondello, P. Dugo.
“Comprehensive Two-Dimensional Gas Chromatography in Combination with Rapid Scanning Quadrupole Mass Spectrometry in Complex Sample Analysis”.
Comunicazione Poster

- 209** 2nd International Symposium on Comprehensive Multidimensional Gas Chromatography, Atlanta, Georgia, USA, August 31-September 3, 2004.
A. Casilli, P.Q. Tranchida, G. Dugo, L. Mondello, P. Dugo.
“Comprehensive GC (GCxGC) – An Innovative Approach for Food Analysis”.
Comunicazione Poster
- 210** Euroanalysis XIII. European Conference on Analytical Chemistry, Salamanca, Spain, September 5-10, 2004.
Luigi Mondello.
“GCxGC and LCxLC: The new millenium comprehensive separation techniques”.
Comunicazione Orale a Invito (55)
- 211** XVIII Congresso Nazionale di Chimica Analitica, Parma, Italia, 19-23 Settembre 2004.
Luigi Mondello.
“Nuovi metodi cromatografici (GCxGC e LCxLC) per l’identificazione di molecole di interesse alimentare”.
Comunicazione Orale (12)
- 212** XVI Edizione SIPAOC 2004. Siena, 29 Settembre-2 Ottobre 2004.
Costa R., Chiofalo B., Mondello L., Dugo P., Chiofalo V.
“Analisi mediante SPME-GC/MS della frazione volatile di formaggi tipici siciliani. Risultati preliminari”.
Comunicazione Orale
- 213** 35th International Symposium on Essential Oils, Giardini Naxos, Messina, Italy, September 29-October 2, 2004.
P.Q. Tranchida, A. Casilli, M. Lo Presti, P. Dugo, Giovanni Dugo, G. Scala, G. Errante and L. Mondello.
“High-speed GC Essential Oil Analysis with 50 and 100 µm ID Micro-bore Columns”.
Comunicazione Orale a Invito
- 214** 35th International Symposium on Essential Oils, Giardini Naxos, Messina, Italy, September 29-October 2, 2004.
M. Lo Presti, R. Luppino, P. Dugo, Giovanni Dugo, G. Scala, G. Errante and L. Mondello.
“Comprehensive Two-dimensional NP (Adsorption)-RP Liquid Chromatography for Essential Oil Analysis”.
Comunicazione Orale a Invito
- 215** 35th International Symposium on Essential Oils, Giardini Naxos, Messina, Italy, September 29-October 2, 2004.
A. Casilli, P.Q. Tranchida, M. Lo Presti, P. Dugo, Giovanni Dugo, G. Scala, G. Errante and L. Mondello.
“GCxGC and GCxGC/qMS for Complex Samples Analysis”.
Comunicazione Orale a Invito

- 216** 35th International Symposium on Essential Oils, Giardini Naxos, Messina, Italy, September 29-October 2, 2004.
M. Lo Presti, A. Trozzi, S. Ragusa, P. Dugo, G. Colnaghi, F. Visinoni, Giovanni Dugo and L. Mondello.
 “A Comparison of Microwave-Assisted, Hydro Distillation and Supercritical Fluid Techniques for the Preparation of Essential Oils”.
Comunicazione Orale a Invito
- 217** 35th International Symposium on Essential Oils, Giardini Naxos, Messina, Italy, September 29-October 2, 2004.
 M. Lo Presti, R. Luppino, T. Kumm, P. Dugo, Giovanni Dugo, G. Scala, G. Errante and L. Mondello.
 “Comprehensive Two-Dimensional Liquid Chromatography in the Study of Essential Oils”.
 Comunicazione Poster
- 218** 35th International Symposium on Essential Oils, Giardini Naxos, Messina, Italy, September 29-October 2, 2004.
 P.Q. Tranchida, A. Casilli, M. Lo Presti, P. Dugo, Giovanni Dugo, G. Scala, G. Errante and L. Mondello.
 “High-speed GC Analysis with a 50 µm ID Micro-bore Column: Theory, Practical Aspects and Application on a Complex Essential Oil Sample”.
 Comunicazione Poster
- 219** 35th International Symposium on Essential Oils, Giardini Naxos, Messina, Italy, September 29-October 2, 2004.
A. Casilli, P.Q. Tranchida, M. Lo Presti, P. Dugo, Giovanni Dugo, G. Scala, G. Errante and L. Mondello.
 “Comprehensive GC (GCxGC) – for Citrus Volatile Fraction Analysis”.
Comunicazione Poster
- 220** 35th International Symposium on Essential Oils, Giardini Naxos, Messina, Italy, September 29-October 2, 2004.
M.C. Pietrogrande, L. Mondello and G. Dugo.
 “Gas-Chromatographic Analysis of Citrus Essential Oils: Decoding of Complex Chromatograms by Fourier Analysis”.
Comunicazione Poster
- 221** 35th International Symposium on Essential Oils, Giardini Naxos, Messina, Italy, September 29-October 2, 2004.
M. Lo Presti, M.L. Crupi, P. Dugo, A. Trozzi, S. Ragusa, G. Colnaghi, F. Visinoni, Giovanni Dugo and L. Mondello.
 “Microwave-Assisted Hydro-Distillation of Essential Oils”.
Comunicazione Poster
- 222** 35th International Symposium on Essential Oils, Giardini Naxos, Messina, Italy, September 29-October 2, 2004.
F.C. Pizzimenti, A. Nostro, A. Marino, G. Crisafi, F. Procopio, L. Mondello, D. Monteleone and V. Alonzo.
 “*In vitro* inhibition of the growth of *Helicobacter pylori* by Bergamot essential oil”.

Comunicazione Poster

- 223** 25th International Symposium on Chromatography, Paris, France, October 4-8, 2004.
Luigi Mondello and Hans-Ulrich Baier.
“The Effect of Filter Time Constant in Fast GC using the GC-2010: Application on Kerosene Analysis”.
Comunicazione Poster
- 224** 25th International Symposium on Chromatography, Paris, France, October 4-8, 2004.
Luigi Mondello, Peter Quinto Tranchida, Alessandro Casilli, Paola Dugo and Giovanni Dugo.
“A Very Fast Method for the Preparation and GC Analysis of Human Plasma Fatty Acid Methyl Esters”.
Comunicazione Poster
- 225** 10° Congresso Latino-Americano de Cromatografia e Técnicas Afins, Campos do Jordão (SP), Brazil, October 18-22, 2004.
Mondello L., Tranchida P.Q., Casilli A., Dugo P. and Dugo G.
“Comprehensive two-dimensional liquid chromatography in the study of food matrices”.
Comunicazione Orale a Invito (55)
- 226** 10° Congresso Latino-Americano de Cromatografia e Técnicas Afins, Campos do Jordão (SP), Brazil, October 18-22, 2004.
Luigi Mondello.
“Bidimensionality in Gas Chromatography and the Introduction of a Third Mass Spectrometric Dimension”.
Comunicazione Orale a Invito (56)
- 227** 10° Congresso Latino-Americano de Cromatografia e Técnicas Afins, Campos do Jordão (SP), Brazil, October 18-22, 2004.
Luigi Mondello.
“Heart-cutting and Comprehensive Two-dimensional Gas Chromatography”.
Comunicazione Orale a Invito (57)
- 228** 10° Congresso Latino-Americano de Cromatografia e Técnicas Afins, Campos do Jordão (SP), Brazil, October 18-22, 2004.
Luigi Mondello.
“Ultra Fast GC and Ultra Fast GC-MS for the Analysis of Real World Complex Samples using 50 and 100 μ m ID Columns”.
Comunicazione Orale a Invito (58)
- 229** 10° Congresso Latino-Americano de Cromatografia e Técnicas Afins, Campos do Jordão (SP), Brazil, October 18-22, 2004.
Tiina Kumm, Maria Lo Presti, Alessandro Casilli, Peter Quinto Tranchida, Paola Dugo, Giovanni Dugo, Luigi Mondello.
“Microwave-Assisted Hydro-Distillation of Essential Oils”.
Comunicazione Poster

- 230** 10° Congresso Latino-Americano de Cromatografia e Técnicas Afins, Campos do Jordão (SP), Brazil, October 18-22, 2004.
Tiina Kumm, Paola Dugo, Peter Quinto Tranchida, Alessandro Casilli, Giovanni Dugo, Luigi Mondello.
“Very fast GC analysis with a 50 µm ID micro-bore column: method optimization and application on a complex essential oil sample”.
Comunicazione Poster
- 231** 10° Congresso Latino-Americano de Cromatografia e Técnicas Afins, Campos do Jordão (SP), Brazil, October 18-22, 2004.
Tiina Kumm, Paola Dugo, Alessandro Casilli, Peter Quinto Tranchida, Giovanni Dugo, Luigi Mondello.
“Comprehensive GC in combination with a rapid scanning quadrupole mass spectrometer in the 3D analysis of a highly complex perfume sample”.
Comunicazione Poster
- 232** Shimadzu Corporation, Nakagyo-ku, Kyoto, Japan, 1 Novembre 2004.
Luigi Mondello e Paola Dugo.
“Modern Techniques in Gas Chromatography”.
Comunicazione Orale a Invito _____ (59)
- 233** Takasago International Corporation, Hiratsuka City, Kanagawa, Japan, 2 Novembre 2004.
Luigi Mondello e Paola Dugo.
“Modern Techniques in Gas Chromatography”.
Comunicazione Orale a Invito _____ (60)
- 234** Zendentsu-Kaikan, Tokyo, Japan, 4 Novembre 2004.
Luigi Mondello e Paola Dugo.
“Modern Techniques in Gas Chromatography”.
Comunicazione Orale a Invito _____ (61)
- 235** Senli Life Science Center, Osaka, Japan, 5 Novembre 2004.
Luigi Mondello e Paola Dugo.
“Modern Techniques in Gas Chromatography”.
Comunicazione Orale a Invito _____ (62)
- 236** GC/GCMS Séminaire. Nouveaux développements pour l’analyse des arômes et parfums, Paris, France, 16 Novembre 2004.
Luigi Mondello.
“Comprehensive GCxGC and Comprehensive GCxGC/qMS for the Analysis of Flavours and Fragrances”.
Comunicazione Orale a Invito _____ (63)
- 237** GC/GCMS Séminaire. Nouveaux développements pour l’analyse des arômes et parfums, Paris, France, 16 Novembre 2004.
Luigi Mondello.
“Fast GC and Fast GC/MS for the Analysis of Volatiles”.
Comunicazione Orale a Invito _____ (64)

- 238** Convegno Regionale della Società Chimica Italiana. Sezione Sicilia, Messina, Italia, 2-3 Dicembre 2004.
Rosaria Costa, Paola Dugo, Giovanni Dugo e Luigi Mondello.
“Applicazione della microestrazione in fase solida all’analisi di matrici alimentari”.
Comunicazione Orale
- 239** Convegno Regionale della Società Chimica Italiana. Sezione Sicilia, Messina, Italia, 2-3 Dicembre 2004.
Tiina Kumm, Paola Dugo, Luigi Mondello e Giovanni Dugo.
“Determinazione della frazione triaglicerolica del latte d’asina mediante HPLC-APCI-MS”.
Comunicazione Orale
- 240** Enantioseparazione ’05. Corso-Convegno su Enantioseparazione Analitica e Preparativa, Ferrara, Italia, 21-23 Marzo, 2005.
L. Mondello.
“La gascromatografia multidimensionale (GC-GC) per l’analisi di composti chirali di oli essenziali”.
Comunicazione Orale a Invito (65)
- 241** Enantioseparazione ’05. Corso-Convegno su Enantioseparazione Analitica e Preparativa, Ferrara, Italia, 21-23 Marzo, 2005.
P.Q. Tranchida, A. Casilli, M. Lo Presti, M.L. Crupi, R. Costa, D. Sciarrone, B. d’Acampora Zellner, P. Dugo, G. Dugo e L. Mondello.
“Un approccio innovativo per l’analisi gascromatografica multidimensionale di enantiomeri in oli essenziali”.
Comunicazione Poster
- 242** Enantioseparazione ’05. Corso-Convegno su Enantioseparazione Analitica e Preparativa, Ferrara, Italia, 21-23 Marzo, 2005.
A. Casilli, M. Lo Presti, M.L. Crupi, P.Q. Tranchida, D. Sciarrone, R. Costa, B. d’Acampora Zellner, P. Dugo, G. Dugo e L. Mondello.
“Analisi di componenti chirali in matrici complesse mediante Fast MDGC”.
Comunicazione Poster
- 243** Enantioseparazione ’05. Corso-Convegno su Enantioseparazione Analitica e Preparativa, Ferrara, Italia, 21-23 Marzo, 2005.
M.L. Crupi, A. Casilli, P.Q. Tranchida, M. Lo Presti, D. Sciarrone, R. Costa, B. d’Acampora Zellner, P. Dugo, G. Dugo e L. Mondello.
“Valutazione di eventuali frodi in oli essenziali tramite analisi GC chirale”.
Comunicazione Poster
- 244** Enantioseparazione ’05. Corso-Convegno su Enantioseparazione Analitica e Preparativa, Ferrara, Italia, 21-23 Marzo, 2005.
M. Lo Presti, M.L. Crupi, A. Casilli, P.Q. Tranchida, R. Costa, D. Sciarrone, B. d’Acampora Zellner, P. Dugo, G. Dugo e L. Mondello.
“Comparazione dei rapporti enantiomerici di composti degli oli essenziali ottenuti con differenti metodiche di isolamento”.

Comunicazione Poster

- 245** Nouveaux développements pour l'analyse des arômes et parfums, Grasse, France, 7 Avril, 2005.
Luigi Mondello, Alessandro Casilli, Peter Quinto Tranchida, Masanao Furukawa, Kyochi Komori and Kozo Miseki.
"Multidimensional Gas Chromatography for the Analysis of Chiral Compound".
Comunicazione Orale a Invito (66)
- 246** Nouveaux développements pour l'analyse des arômes et parfums, Grasse, France, 7 Avril, 2005.
Luigi Mondello and Paola Dugo.
"LCxLC for the Analysis of Non Volatile Components in Essential Oils".
Comunicazione Orale a Invito.....(67)
- 247** Nouveaux développements pour l'analyse des arômes et parfums, Grasse, France, 7 Avril, 2005.
Barbara d'Acampora Zellner, Luigi Mondello and Wil van Egmond.
"New Preparative GC for the Analysis of Flavours and Fragrances Products".
Comunicazione Orale a Invito (68)
- 248** Nouveaux développements pour l'analyse des arômes et parfums, Grasse, France, 7 Avril, 2005.
Barbara d'Acampora Zellner, Luigi Mondello and Wil van Egmond.
"Olfactometric Perception by GC-O of Chiral Compounds".
Comunicazione Orale
- 249** Nouveaux développements pour l'analyse des arômes et parfums, Grasse, France, 7 Avril, 2005.
H.U. Baier and L. Mondello.
"GCMSsolution: le premier logiciel GCMS avec le calcul des LRI (Linear Retention Index) intégré et recherche automatique multicritères dans une nouvelle bibliothèque MS".
Comunicazione Orale (13)
- 250** Com-Chrom Meeting, Amsterdam, April 21, 2005.
Luigi Mondello and Paola Dugo.
"Comprehensive LCxLC using Microbore Silver-ion and Monolithic Columns for the Characterization of Lipids".
Comunicazione Orale (14)
- 251** Com-Chrom Meeting, Amsterdam, April 21, 2005.
Alessandro Casilli, Paolo Leinardi, Peter Quinto Tranchida, Paola Dugo, Giovanni Dugo and Luigi Mondello.
"An Innovative Software for the Visualization of Comprehensive Chromatographic Data".
Comunicazione Orale
- 252** Com-Chrom Meeting, Amsterdam, April 21, 2005.

Peter Quinto Tranchida, Alessandro Casilli, Paola Dugo, Giovanni Dugo and Luigi Mondello.

“GCxGC and GCxGC-qMS for Complex Sample Analysis”.

Comunicazione Poster

253 4th Malaysian International Conference on Essential Oils and Fragrance and Flavour Materials (MICEOFF4). Kangar, Perlis, May 8-11, 2005.

L. Mondello.

“Innovative Chromatographic Techniques for the Study of Essential Oils”.

Comunicazione Orale Plenaria (15)

254 4th Malaysian International Conference on Essential Oils and Fragrance and Flavour Materials (MICEOFF4). Kangar, Perlis, May 8-11, 2005.

A. Casilli, P. Q. Tranchida, M. Furukawa, K. Komori, K. Miseki, P. Dugo, G. Dugo and L. Mondello.

“An Innovative Multidimensional Gas Chromatographic System (MDGC) for Essential Oil Analysis”.

Comunicazione Orale

255 4th Malaysian International Conference on Essential Oils and Fragrance and Flavour Materials (MICEOFF4). Kangar, Perlis, May 8-11, 2005.

P. Q. Tranchida, A. Casilli, R. Costa, M. L. Crupi, P. Dugo, G. Dugo and L. Mondello.

“Micro-bore Column High Speed Gas Chromatography for the Analysis of Essential Oil Volatiles”.

Comunicazione Orale

256 4th Malaysian International Conference on Essential Oils and Fragrance and Flavour Materials (MICEOFF4). Kangar, Perlis, May 8-11, 2005.

M. Lo Presti, M. L. Crupi, M. R. Valentino, P. Dugo, S. Ragusa, F. Visinoni and L. Mondello.

“An Evaluation of Different Methods for the Isolation of Essential Oils”.

Comunicazione Orale

257 4th Malaysian International Conference on Essential Oils and Fragrance and Flavour Materials (MICEOFF4). Kangar, Perlis, May 8-11, 2005.

R. Costa, A. Casilli, P.Q. Tranchida, M. Lo Presti, P. Dugo, G. Scala, K. Taneda, J. Iida, K. Miseki and L. Mondello.

“Reliable GC-MS peak assignment by means of a novel Mass Spectra library with an «LRI filter» option”.

Comunicazione Poster

258 4th Malaysian International Conference on Essential Oils and Fragrance and Flavour Materials (MICEOFF4). Kangar, Perlis, May 8-11, 2005.

B. d’Acampora Zellner, D. Sciarrone, M. L. Crupi, P. Dugo, G. Dugo and L. Mondello.

“Enantioselective Capillary Gas Chromatography - Olfactometry Analysis of Essential Oils”.

Comunicazione Poster

- 259** 28th International Symposium on Capillary Chromatography & Electrophoresis, Las Vegas, Nevada, USA, May 22-25, 2005.
Luigi Mondello
 “Comprehensive LCxLC using Silver-ion and Monolithic Columns for the Characterization of Oils and Lipids”.
Comunicazione Orale a Invito (69)
- 260** 28th International Symposium on Capillary Chromatography & Electrophoresis, Las Vegas, Nevada, USA, May 22-25, 2005.
 Luigi Mondello, Rosaria Costa, Alessandro Casilli, Peter Quinto Tranchida, Maria Lo Presti, Paola Dugo, Giovanni Scala, Katsuyuki Taneda, Junko Iida and Kozo Miseki.
 “Reliable GC-MS peak assignment by using a LRI-filtered mass spectra searching software”.
Comunicazione Poster
- 261** 28th International Symposium on Capillary Chromatography & Electrophoresis, Las Vegas, Nevada, USA, May 22-25, 2005.
 L. Mondello, A. Casilli, P.Q. Tranchida, M. Lo Presti, P. Dugo, M. Furukawa, K. Komori and K. Miseki.
 “An innovative multidimensional gas chromatographic system”.
Comunicazione Orale
- 262** 28th International Symposium on Capillary Chromatography & Electrophoresis, Las Vegas, Nevada, USA, May 22-25, 2005.
Maria Lo Presti, Maria Lucia Crupi, Rosaria Costa, Paola Dugo, Salvatore Ragusa, Franco Visinoni and Luigi Mondello.
 “An evaluation of different methods for the isolation of essential oils”.
Comunicazione Poster
- 263** 28th International Symposium on Capillary Chromatography & Electrophoresis, Las Vegas, Nevada, USA, May 22-25, 2005.
Luigi Mondello, Peter Quinto Tranchida, Alessandro Casilli, Maria Lo Presti, Paola Dugo, and Giovanni Dugo.
 “An automated, low-costing, very fast method for the analysis of fatty acids in human plasma”.
Comunicazione Poster (16)
- 264** EAAP 2005. Annual meeting of the European Association for Animal Production, Uppsala, Sweden, June 5-8, 2005.
B. Chiofalo, P. Dugo, E. Salimei, L. Mondello, V. Chiofalo.
 “Characterisation of triacylglycerols in donkey milk using HPLC/MS”.
 Comunicazione Poster
- 265** 11th International Symposium on Separation Science, Pardubice, Czech Republic, September 12-14, 2005.
Mondello L., Dugo P.
 “Comprehensive Chromatography. Different solutions for volatile and non-volatile components (GCxGC, LCxLC)”.
Comunicazione Orale a Invito (70)

- 266** 11th International Symposium on Separation Science, Pardubice, Czech Republic, September 12-14, 2005.
Tranchida P.Q., Casilli A., Dugo P., Dugo G., Mondello L.
 “Automated Fast Solid Phase Microextraction-gas Chromatography with Analyte Cryo-focussing for the Headspace Analysis of Complex Samples”.
Comunicazione Orale
- 267** 11th International Symposium on Separation Science, Pardubice, Czech Republic, September 12-14, 2005.
Casilli A., Tranchida P.Q., Furukawa M., Komori K., Miseki K., Dugo P., Dugo G., Mondello L.
 “Multidimensional Gas Chromatography (MDGC) for Complex Samples Analysis”.
Comunicazione Orale
- 268** 11th International Symposium on Separation Science, Pardubice, Czech Republic, September 12-14, 2005.
Kumm T., Dugo P., Cotroneo A., Dugo G., Mondello L.
 “Analysis of Triacylglycerols in Complex Natural Matrices by using Multidimensional HPLC”.
Comunicazione Orale
- 269** 11th International Symposium on Separation Science, Pardubice, Czech Republic, September 12-14, 2005.
Cacciola F., Jandera P., Blahova E., Mondello L.
 “Characterization of Silica and Zirconia-based Columns as Potential Stationary Phases for the Separation of Antioxidants”.
Comunicazione Poster
- 270** 36th International Symposium on Essential Oils, Budapest, Hungary, September 4-7, 2005.
L. Mondello, P. Dugo and G. Dugo.
 “New chromatographic methods for the analysis of essential oils”.
Comunicazione Orale (16)
- 271** 36th International Symposium on Essential Oils, Budapest, Hungary, September 4-7, 2005.
 P. Tranchida, A. Casilli, M. Lo Presti, P. Dugo, G. Dugo and L. Mondello.
 “Automated fast Solid Phase Microextraction-Gas Chromatography with analyte cryo-focussing for the headspace analysis of complex essential oils”.
Comunicazione Poster
- 272** 36th International Symposium on Essential Oils, Budapest, Hungary, September 4-7, 2005.
 M. Lo Presti, P. Wynne, D. Sciarrone, P. Tranchida, A. Casilli, P. Dugo, G. Dugo and L. Mondello.
 “Benefits of a Sol-Gel wax stationary phase in comparison to conventional stationary phases in the Gas Chromatographic analysis of essential oils”.
Comunicazione Poster

- 273** 36th International Symposium on Essential Oils, Budapest, Hungary, September 4-7, 2005.
A. Casilli, P. Tranchida, M. Lo Presti, P. Dugo, G. Dugo, M. Furukawa, K. Komori, K. Miseki and L. Mondello.
“Fast multidimensional Gas Chromatography – an innovative approach for chiral separations”.
Comunicazione Poster
- 274** Jaima Show 2005, Makuhari Messe, Japan, August 31-September 2, 2005.
Luigi Mondello, Alessandro Casilli, Peter Quinto Tranchida, Masanao Furukawa, Kyochi Komori, Kozo Miseki.
“New Multi Dimensional GC system - Higher resolving capability system -”.
Comunicazione Orale
- 275** Università di Messina, Facoltà di Farmacia, Dipartimento Farmaco-Chimico, La Microestrazione in fase solida (SPME). 10 Anni d’Innovazioni nel preparare i campioni d’interesse analitico, Messina, Italia, 23 Settembre 2005.
P.Q. Tranchida, L. Mondello.
“Analisi Fast-GC mediante SPME con trappola criogenica.”
Comunicazione Orale ad invito
- 276** Università di Messina, Facoltà di Farmacia, Dipartimento Farmaco-Chimico, La Microestrazione in fase solida (SPME). 10 Anni d’Innovazioni nel preparare i campioni d’interesse analitico, Messina, Italia, 23 Settembre 2005.
R. Costa, M.L. Crupi, L. Mondello.
“Analisi SPME della frazione volatile di bevande alcoliche.”
Comunicazione Orale ad invito
- 277** XIV Congreso Italo-Latinoamericano de Etnomedicina “Gonzalo Aguirre Beltrán”, Mexico City, D.F., Mexico, 25-30 de Septiembre 2005.
Mondello Luigi, Costa Rosaria, Dugo Paola, Casilli Vincenzo.
“FFNSC (Flavour and Fragrance Natural and Synthetic Compounds): Una libreria di massa innovativa applicata all’indagine di olii essenziali”.
Comunicazione Orale
- 278** XIV Congreso Italo-Latinoamericano de Etnomedicina “Gonzalo Aguirre Beltrán”, Mexico City, D.F., Mexico, 25-30 de Septiembre, 2005.
Barbara d’Acampora Zellner, Rosaria Costa, Paola Dugo, Giovanni Dugo e Luigi Mondello.
“Análise e caracterização de voláteis de impacto no aroma de óleos essenciais através de olfatometria e o isolamento destes por CG-preparativa”.
Comunicazione Poster
- 279** Rich-Mac 2005. Tecnologie strumentali e loro applicazioni analitiche e biotecnologiche – Tecniche separative. Milano, Italia, 5 Ottobre 2005.
Luigi Mondello, Peter Quinto Tranchida, Giovanni Dugo, Paola Dugo.
“Tecnologie cromatografiche innovative per lo studio di matrici naturali complesse”.

Comunicazione Orale a Invito (71)

- 280** 2do Taller Internacional de Autenticación de Bebidas Alcohólicas (TIABA 2005). Guadalajara, Jalisco, México, 11 al 13 de Octubre de 2005.
Luigi Mondello
“Physical-chemical parameters and aroma composition of the Italian ‘limoncello’ liqueur”.
Comunicazione Orale a Invito (72)
- 281** III Simpósio Brasileiro de Óleos Essenciais. Campinas, Brasil, 8-10 de novembro de 2005.
Luigi Mondello
“Advanced analytical techniques for the analysis of essential oil and perfumes (LRI-GC/MS, GCxGC and GCxGC/MS)”.
Comunicazione Orale a Invito (73)
- 282** Workshop at the Universidade Federal do Rio de Janeiro – UFRJ. Rio de Janeiro, Brasil, 10-11 de novembro de 2005.
Luigi Mondello
“Comprehensive Chromatography for the Analysis of Complex Mixtures (GCxGC, GCxGC-MS and LCxLC)”.
Comunicazione Orale a Invito (74)
- 283** Workshop at the Universidade Federal do Rio de Janeiro – UFRJ. Rio de Janeiro, Brasil, 10-11 de novembro de 2005.
Luigi Mondello, Alessandro Casilli
“Fast GC with 50 and 100 mm ID columns – Theory and Applications”.
Comunicazione Orale a Invito
- 284** Workshop at the Universidade Federal do Rio de Janeiro – UFRJ. Rio de Janeiro, Brasil, 10-11 de novembro de 2005.
Luigi Mondello, Tranchida Peter Quinto
“Rapid automated sample preparation in combination with micro-bore column fast GC separation”.
Comunicazione Orale a Invito
- 285** Workshop at the Universidade Federal do Rio de Janeiro – UFRJ. Rio de Janeiro, Brasil, 10-11 de novembro de 2005.
Luigi Mondello, Alessandro Casilli
“Innovative MDGC System and its Applications”.
Comunicazione Orale a Invito
- 286** Workshop at the Universidade Federal do Rio de Janeiro – UFRJ. Rio de Janeiro, Brasil, 10-11 de novembro de 2005.
Luigi Mondello
“FFNSC (Flavour and Fragrance Natural and Synthetic Compunds): a novel GC/MS library”.
Comunicazione Orale a Invito (75)
- 287** Workshop at the Universidade Federal do Rio de Janeiro – UFRJ. Rio de Janeiro, Brasil, 10-11 de novembro de 2005.

Luigi Mondello, Lo Presti Maria
“The Extraction of Essential Oils: evaluation and comparison of different methods”.
Comunicazione Orale a Invito

288 Workshop at the Universidade Federal do Rio de Janeiro – UFRJ. Rio de Janeiro, Brasil, 10-11 de novembro de 2005.
Luigi Mondello, Barbara d’Acampora Zellner
“CG-Preparativa e CG-O Enantioseletiva na Análise de Materiais Flavorizantes e Fragrantes”.
Comunicazione Orale a Invito

289 11as Jornadas de Análisis Instrumental. Barcelona, Spagna. 15-17 Noviembre 2005.
Luigi Mondello
“New Comprehensive Chromatography Multidimensional Techniques for the Analysis of Real Samples (GCxGC, LCxLC and LCxGC)”.
Comunicazione Orale a Invito (78)

290 Ninth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, York, United Kingdom, February 8th-10th, 2006.
Luigi Mondello.
“New Comprehensive Chromatography Approaches for the Analysis of Real Samples (GCxGC, LCxLC and LCxGC)”.
Comunicazione Orale a Invito (79)

291 Ninth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, York, United Kingdom, February 8th-10th, 2006.
Luigi Mondello.
“Comprehensive chromatography coupled to Mass Spectrometry with the use of Linear retention Indices for reliable identification of unknown components”.
Comunicazione Orale a Invito (80)

292 Ninth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, York, United Kingdom, February 8th-10th, 2006.
Luigi Mondello and Paola Dugo.
“Principles of Comprehensive GC and LC”.
Comunicazione orale a Invito (81)

293 Ninth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, York, United Kingdom, February 8th-10th, 2006.
Alessandro Casilli and Luigi Mondello.
“Heart-Cutting MDGC Chiral Analysis of Essentials Oils”.
Comunicazione orale a Invito

- 294** Ninth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, York, United Kingdom, February 8th-10th, 2006.
P.Q. Tranchida and L. Mondello.
 “Micro-bore columns fast GC and GC-MS: instrumental requirements, theory, practical aspects and combination with rapid sample preparation methods”.
Comunicazione orale a Invito
- 295** Ninth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, York, United Kingdom, February 8th-10th, 2006.
P.Q. Tranchida, P. Dugo and L. Mondello.
 “Micro HPLC-ESI-MS analysis of food antioxidants”.
Comunicazione orale a Invito
- 296** PITTCON 2006, Orlando, Florida, USA, March 12-17, 2006.
L. Mondello.
 “Advanced Chromatographic Techniques for the Analysis of Food”.
Comunicazione Orale a Invito (82)
- 297** Second European Equine Health & Nutrition Congress, 17-18 march 2006
B. Chiofalo, E. Salimei, P. Dugo, T. Kumm, D. Piccolo, L. Mondello.
 “Evaluation on triglycerides in donkey milk during lactation”
Comunicazione Orale
- 298** Convegno Vini - Il Vino tra scienza, economia e cultura: *il caso Calabria*, Nocera Torinese, Catanzaro, Italia, 30 Marzo-2 Aprile 2006.
Paola Dugo, Luigi Mondello, Maria Lo Presti e Giovanni Dugo.
 “Dosaggio di antociani nei vini”.
Comunicazione Orale a Invito
- 299** 4ème Séminaire de Grasse, Grasse, France, 6 Avril 2006.
Luigi Mondello, Paola Dugo, Alessandro Casilli, Rosaria Costa, Barbara D’Acampora, Paola Donato, Maria Lo Presti, Peter Quinto Tranchida.
 “Innovative Analytical Approaches applied to Flavor and Fragrance Material”.
Comunicazione Orale a Invito (83)
- 300** 4ème Séminaire de Grasse, Grasse, France, 6 Avril 2006.
Luigi Mondello, Paola Dugo, Alessandro Casilli, Rosaria Costa, Barbara D’Acampora, Paola Donato, Maria Lo Presti, Peter Quinto Tranchida.
 “Reliable Identifications by using a New Interactively GC/MS Library with the Use of LRIs. A Case Study from Prep-GC, GC-O to the Identification”.
Comunicazione Orale a Invito (84)
- 301** 29th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 29-June 2, 2006.
P. Dugo, G. Dugo and L. Mondello.

“Enhanced Analytical Potential of Three-Dimensional Comprehensive Liquid Chromatography-Mass Spectrometry for the Unravelling of Complex Triglyceride Profiles”.

Comunicazione Orale a Invito

302 29th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 29-June 2, 2006.

P. Jandera, K. Novotna, J. Fischer, P. Cesla, E. Blahova, F. Cacciola and L. Mondello.

“Programmed Elution Techniques in Conventional and Micro-Hplc”.

Comunicazione Orale a Invito

303 29th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 29-June 2, 2006.

L. Mondello, P. Dugo and G. Dugo.

“Evaluation of Micro-Bore Column Very Fast Gas Chromatography as a Tool for High Sample Throughput of Scientifically Important Real-World Samples”.

Comunicazione Orale a Invito (85)

304 29th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 29-June 2, 2006.

A. Casilli, P.Q. Tranchida, P. Dugo, G. Dugo and L. Mondello.

“Innovative Multidimensional Gas Chromatography for the Analysis of Complex Samples”.

Comunicazione Orale

305 29th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 29-June 2, 2006.

B. D'Acampora Zellner, A. Casilli, P. Dugo, G. Dugo and L. Mondello.

“Comprehensive Two-Dimensional GC-Olfactometry an Innovative Technique for Flavour and Fragrance Material Analysis”.

Comunicazione Orale

306 29th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 29-June 2, 2006.

P.Q. Tranchida, A. Casilli, M. Mondello, P. Dugo, G. Dugo and L. Mondello.

“Determination of Fatty Acid Profiles in Human Plasma by Means of Comprehensive Two-Dimensional Gas Chromatographic Chemical Class Patterns”.

Comunicazione Orale

307 29th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 29-June 2, 2006.

R. Costa, M.R. De Fina, M.R. Valentino, P. Dugo, G. Dugo and L. Mondello.

“Development of a New GC-MS Library Dedicated to Flavour and Fragrance Compounds Provided with an LRI Filter Tool”.

Comunicazione Poster

- 308** 29th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 29-June 2, 2006.
M.L. Crupi, R. Costa, P. Dugo, G. Dugo and L. Mondello.
 “Physical-Chemical Parameters and Aroma Composition of the Italian ‘Limoncello’ Liqueur”.
Comunicazione Poster
- 309** 29th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 29-June 2, 2006.
 Y. Foudil-Cherif, B.Y. Meklati, L. Mondello, G. Zappia and G. Dugo.
 “Enantiomeric Composition of Five Chiral Monoterpenes in Nine Algerian Eucalyptus Essential Oils by Direct Multidimensional Chromatography”.
 Comunicazione Poster
- 310** 29th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 29-June 2, 2006.
T. Kumm, P. Dugo, G. Dugo and L. Mondello.
 “Separation of Triacylglycerols in Natural Matrixes by Using Comprehensive HPLC-APCI-MS”.
Comunicazione Poster
- 311** 29th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 29-June 2, 2006.
R. Lopez, A. Casilli, P.Q. Tranchida and L. Mondello.
 “Quantitative Analysis of Allergenes in Perfumes with a Multidimensional Gas Chromatographic System”.
Comunicazione Poster
- 312** 3rd GCxGC Symposium, Riva del Garda, Italy, May 28, 2006.
L. Mondello.
 “Present State-of-the-Art in Comprehensive GCxGC. Instrumentations and Applications.”
Comunicazione Orale a Invito (86)
- 313** 29th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 29-June 2, 2006.
L. Mondello.
Comunicazione Orale a Invito (87)
- 314** 29th International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 29-June 2, 2006.
L. Mondello.
 “Innovative Multidimensional and Comprehensive Chromatography Techniques for the Analysis of Complex Mixtures”.
Comunicazione Orale a Invito (88)
- 315** XI Congreso Latinoamericano de Cromatografía y Ciencias Afines, Mérida, Yucatàn, México, Junio 26-30, 2006.
L. Mondello, P. Dugo and G. Dugo.
 “New Frontier in Chromatography Separation. Comprehensive Chromatography, Multidimensional Chromatography and Reliable

identifications by Mass Spectrometry to resolve and identify complex samples”.

Comunicazione Orale a Invito (89)

- 316** XI Congreso Latinoamericano de Cromatografía y Ciencias Afines, Mérida, Yucatàn, México, Junio 26-30, 2006.
M.L. Crupi, K. Buonasera, P. Dugo, G. Dugo and L. Mondello.
“Use of Superheated Water as Chromatographic Eluent for Liquid Chromatography”.
Comunicazione Poster
- 317** XI Congreso Latinoamericano de Cromatografía y Ciencias Afines, Mérida, Yucatàn, México, Junio 26-30, 2006.
P.Q. Tranchida, A. Casilli, G. Dugo, P. Dugo and L. Mondello.
“Very Fast Gas Chromatographic Analysis of Real World Samples by Using Short Micro-bore Column Segments”.
Comunicazione Poster
- 318** XI Congreso Latinoamericano de Cromatografía y Ciencias Afines, Mérida, Yucatàn, México, Junio 26-30, 2006.
R. Costa, M.R. De Fina, M.R. Valentino, P. Donato, D. Sciarrone, M. Lo Presti, P. Dugo and L. Mondello.
“FFNSC GC-MS Library: an Innovative Tool in the Analysis of Flavour & Fragrance Material”.
Comunicazione Poster
- 319** XI Congreso Latinoamericano de Cromatografía y Ciencias Afines, Mérida, Yucatàn, México, Junio 26-30, 2006.
M. Lo Presti, A. Casilli, G. Dugo, P. Dugo and L. Mondello.
“An Analytical Improvement in the Chiral Research Applied to the Essential Oils”.
Comunicazione Poster
- 320** XI Congreso Latinoamericano de Cromatografía y Ciencias Afines, Mérida, Yucatàn, México, Junio 26-30, 2006.
A. Casilli, P.Q. Tranchida, G. Dugo, P. Dugo and L. Mondello.
“Multidimensional Gas Chromatography for the Determination of Allergens in Fragrances”.
Comunicazione Poster
- 321** XI Congreso Latinoamericano de Cromatografía y Ciencias Afines, Mérida, Yucatàn, México, Junio 26-30, 2006.
T. Kumm, V. Skerikova, P. Jandera, P. Dugo and L. Mondello.
“Elucidation of Carotenoid Pattern in Citrus Essential Oils by Comprehensive NPxRP HPLC: Introduction of a Completely Automated LCxLC System”.
Comunicazione Poster
- 322** XI Congreso Latinoamericano de Cromatografía y Ciencias Afines, Mérida, Yucatàn, México, Junio 26-30, 2006.

B. d'Acampora Zellner, A. Casilli, P.Q. Tranchida, P. Dugo, G. Dugo and L. Mondello.

“Characterization of the Olfactive Profile of Essential Oils by Means of Comprehensive Two-dimensional Gas Chromatography-Olfactometry”.
Comunicazione Poster

323 SISSG - Oli e Grassi Alimentari: Innovazioni Tecnologiche e Ricerca Chimica, Bologna, Italia, 30 giugno 2006.

P. Dugo and L. Mondello.

“Cromatografia Liquida Multidimensionale (LCxLC/MS) per l'Analisi di Trigliceridi in Matrici Alimentari”.

Comunicazione Orale a Invito

324 FITOMED2006 - II Congresso Intersocietà sulle Piante Medicinali, Taormina, Messina, Italia, 6-8 Luglio 2006.

L. Mondello, A. Casilli, P. Dugo and G. Dugo.

“Analisi di componenti chirali in matrici complesse mediante Fast MDGC”.

Comunicazione Orale (17)

325 ISSFAL 2006 – International Society for the Study of Fatty Acids & Lipids, Cairns Convention and Exhibition Centre, Cairns, North Queensland, Australia, 23-28 July 2006.

P.Q. Tranchida, A. Casilli, D. Sciarrone, P. Dugo, L. Mondello.

Innovative Multidimensional Gas Chromatography Systems applied to the Analysis of Complex Fats and Oils.

Comunicazione Orale (18)

326 ISSFAL 2006 – International Society for the Study of Fatty Acids & Lipids, Cairns Convention and Exhibition Centre, Cairns, North Queensland, Australia, 23-28 July 2006.

T. Kumm, P.Q. Tranchida, V. Skerikova, P. Dugo, L. Mondello.

Determination of Cholesterol Ester and Triacylglycerol Profiles in Human Plasma by using Comprehensive Two-dimensional HPLC-APCI-MS.

Comunicazione Orale

327 Australian Centre for Research on Separation Science School of Chemistry, University of Tasmania, Hobart, Australia, August 8, 2006.

Luigi Mondello and Paola Dugo.

New Frontier in Chromatography Separation. Comprehensive Chromatography, Multidimensional Chromatography, and Fast Gas Chromatography.

Comunicazione orale a Invito (90)

328 ISC 06 – 26th International Symposium on Chromatography, School of Architecture, Copenhagen, Denmark, 21-25 July, 2006.

Francesco Cacciola, Pavel Jandera, Eva Blahova and Luigi Mondello.

“Comprehensive Two Dimensional Systems for the separation of phenolic antioxidants”

Comunicazione Poster

- 329** ISC 06 – 26th International Symposium on Chromatography, School of Architecture, Copenhagen, Denmark, 21-25 July, 2006.
Tiina Kumm, Paola Dugo, Luigi Mondello
 “Comprehensive HPLC Analyses of Complex Samples by using a completely automated LCxLC System”
Comunicazione Poster
- 330** ISC 06 – 26th International Symposium on Chromatography, School of Architecture, Copenhagen, Denmark, 21-25 July, 2006.
Veronika Skerikova, Luigi Mondello, Pavel Jandera.
 “Analysis of Carotenoids in Natural Samples by Comprehensive NPxNP HPLC”
Comunicazione Poster
- 331** ISEO 06 – 37th International Symposium on Essential oils, Grasse, France, September 10th – 13th, 2006.
 B. d’Acampora Zellner, A. Casilli, P.Q. Tranchida, P. Dugo, G. Dugo, and L. Mondello.
 “Comprehensive two-dimensional gas chromatography-olfactometry: an approach for odour fingerprint acquisition of fragrant complex matrices”
Comunicazione Poster (17)
- 332** ISEO 06 – 37th International Symposium on Essential oils, Grasse, France, September 10th – 13th, 2006.
 M. Lo Presti, R. Costa, M. R. Valentino, M. R. De Fina, S. Ragusa, P. Dugo, G. Dugo, and L. Mondello.
 “Gas chromatographic elucidation of the volatile fraction of *Teucrium flavum*, a Sicilian endemic plant”
Comunicazione Poster (18)
- 333** ISEO 06 – 37th International Symposium on Essential oils, Grasse, France, September 10th – 13th, 2006.
 P.Q. Tranchida, R. Costa, M. L. Crupi, P. Dugo, G. Dugo, and L. Mondello.
 “Automated fast solid phase microextraction-gas chromatography with analyte cryo-focussing for the headspace analysis of essential oils”
Comunicazione Poster (19)
- 334** ISEO 06 – 37th International Symposium on Essential oils, Grasse, France, September 10th – 13th, 2006.
 M. L. Crupi, M. Lo Presti, B. d’Acampora Zellner, A. Pappalardo, L. Pappalardo, P. Dugo, G. Dugo, and L. Mondello.
 “Determination of the quality of Italian bitter orange essential oils”
Comunicazione Poster
- 335** ISEO 06 – 37th International Symposium on Essential oils, Grasse, France, September 10th – 13th, 2006.
 M. L. Crupi, M. Lo Presti, B. d’Acampora Zellner, A. Pappalardo, L. Pappalardo, P. Dugo, G. Dugo, and L. Mondello.
 “Characterization of the volatile and non volatile fractions of genuine bergamot essential oils”
Comunicazione Poster (20)

- 336** ISEO 06 – 37th International Symposium on Essential oils, Grasse, France, September 10th – 13th, 2006.
R. Costa, M.R. De Fina, M. R. Valentino, P. Donato, P. Dugo, G. Dugo, and L. Mondello.
“FFNSC (Flavour & Fragrance Natural & Synthetic Compounds) GC-MS library: how to bring innovation in GC-MS peak assignment”
Comunicazione Orale (19)
- 337** ISEO 06 – 37th International Symposium on Essential oils, Grasse, France, September 10th – 13th, 2006.
L. Mondello
“Comprehensive Two-Dimensional Gas Chromatography for the Investigation of the Volatile Fraction of Complex Flavour and Fragrance Materials ”
Comunicazione Orale (20)
- 338** ISEO 06 – 37th International Symposium on Essential oils, Grasse, France, September 10th – 13th, 2006.
A. Casilli, D. Sciarrone, P. Dugo, G. Dugo and L. Mondello
“Multidimensional gas chromatography for allergens determination in perfume formulation”
Comunicazione Orale
- 339** Seminario “Inovações Tecnológicas em Cromatografia a Gás”, São Paulo, Brasil, September 18, 2006.
Luigi Mondello
“New Frontier in Gas Chromatography: Multidimensional GC, GCxGC, Fast-GC and Reliable Identification Using Interactively LRI and MS Spectra”.
Comunicazione Orale a Invito (91)
- 340** Seminario “Inovações Tecnológicas em Cromatografia a Gás”, Rio de Janeiro, Brasil, September 20, 2006.
Luigi Mondello
“New Frontier in Gas Chromatography: Multidimensional GC, GCxGC, Fast-GC and Reliable Identification Using Interactively LRI and MS Spectra”.
Comunicazione Orale a Invito (92)
- 341** Segundo Simpósio Brasileiro de Cromatografia e Técnicas Relacionadas, São Pedro, São Paulo, Brasil, Outubro 17-20, 2006.
Luigi Mondello
“New Developments in Chromatography. From Fast Methods to Multidimensional and Comprehensive Techniques”.
Comunicazione Plenaria Orale a Invito (93)
- 342** Short Corse, Segundo Simpósio Brasileiro de Cromatografia e Técnicas Relacionadas, São Pedro, São Paulo, Brasil, Outubro 17-20, 2006.
Luigi Mondello
“Multidimensional GC: Column Switching and Comprehensive GC”.

- 343** Short Course, Segundo Simpósio Brasileiro de Cromatografia e Técnicas Relacionadas, São Pedro, São Paulo, Brasil, Outubro 17-20, 2006.
Luigi Mondello
“Fast GC & Fast GC/MS”.
Comunicazione Orale a Invito (95)
- 344** Short Course, Segundo Simpósio Brasileiro de Cromatografia e Técnicas Relacionadas, São Pedro, São Paulo, Brasil, Outubro 17-20, 2006.
Luigi Mondello
“Comprehensive LC & Comprehensive LC-MS”.
Comunicazione Orale a Invito (96)
- 345** Workshop “Avanços Recentes e Tendências Futuras em Técnicas de Separação”, Segundo Simpósio Brasileiro de Cromatografia e Técnicas Relacionadas, São Pedro, São Paulo, Brasil, Outubro 17-20, 2006.
Luigi Mondello
“Comprehensive and Multidimensional Techniques”.
Comunicazione Orale ad Invito (97)
- 346** IV Congresso Nazionale di Chimica degli Alimenti, Alba, 7-10 Novembre 2006.
Paola Dugo, Luigi Mondello, Tiina Kumm, Giovanni Dugo
“Cromatografia liquida multidimensionale (LCxLC) per l’analisi di matrici alimentari”.
Comunicazione Orale a Invito
- 347** IV Congresso Nazionale di Chimica degli Alimenti, Alba, 7-10 Novembre 2006.
Giovanni Dugo, Luigi Mondello
“Approcci innovativi alle separazioni gascromatografiche di miscele complesse di interesse alimentare”.
Comunicazione Orale a Invito
- 348** VI Congresso Nazionale di Chimica degli Alimenti, Alba, 7-10 Novembre 2006.
Peter Q. Tranchida, Alessandro Casilli, Paola Dugo, Luigi Mondello, Giovanni Dugo
“Cromatografia gassosa multidimensionale (GCXGC): ottimizzazione dei flussi in entrambi le dimensioni ed applicazione su una matrice alimentare”.
Comunicazione Poster
- 349** VI Congresso Nazionale di Chimica degli Alimenti, Alba, 7-10 Novembre 2006.
Maria Cambria, Tiina Kumm, Agostino Giannino, Peter Quinto Tranchida, Paola Dugo, Luigi Mondello
“Determinazione di trigliceridi in matrici alimentari tramite HPLC-APCI-MS e HRGC-FID”.
Comunicazione Poster

- 350** VI Congresso Nazionale di Chimica degli Alimenti, Alba, 7-10 Novembre 2006.
Maria Lo Presti, Rosaria Costa, Maria R. Valentino, Maria R. De Fina, Paola Dugo, Luigi Mondello, Giovanni Dugo
“Determinazione gascromatografica della frazione volatile di Piper cubeba”
Comunicazione Poster
- 351** Seminario “La tecnica SPME ed applicazioni nel Food & Beverage, Catania, 23 Novembre 2006.
Maria L. Crupi, Rosaria Costa, Luigi Mondello
“Analisi SPME-GC/FID e SPME-GC/MS di Matrici Alimentari”
Comunicazione Orale a Invito
- 352** 4th European Conference on Pesticides and Related Organic Micropollutants in the Environment. Almeria, Spain, November 23-26, 2006
Luigi Mondello, Alessandro Casilli, Ennio Bellotti, Rino Calori, Roberto Ferrari.
“Innovative multidimensional and comprehensive chromatography techniques for the analysis of complex mixtures”
Comunicazione Orale ad Invito (98)
- 353** 4th European Conference on Pesticides and Related Organic Micropollutants in the Environment. Almeria, Spain, November 23-26, 2006
Alessandro Casilli, Ennio Bellotti, Rino Calori, Roberto Ferrari, Luigi Mondello.
Reliable Identification of Pesticides by Quadrupole Mass Spectrometry and Linear Indices.
Comunicazione Poster
- 354** Shimadzu Corporation, Tokyo, Japan, December 12, 2006.
Luigi Mondello.
“The new frontier of gas chromatography”
Comunicazione Orale ad Invito (99)
- 355** Shimadzu Sanjo works, Kyoto, Japan, December 13, 2006.
L. Mondello, A. Casilli.
“Multidimensional gas chromatograph system (MDGC)”
Comunicazione Orale ad Invito (100)
- 356** Shimadzu Sanjo works, Kyoto, Japan, December 13, 2006.
L. Mondello, A. Casilli.
“Comprehensive gas chromatography (GCxGC)”
Comunicazione Orale ad Invito (101)
- 357** Shimadzu Corporation, Osaka, Japan, December 14, 2006.
Luigi Mondello.
“The new frontier of gas chromatography”
Comunicazione Orale ad Invito (102)

- 358** Shimadzu Sanjo works, Kyoto, Japan, December 15, 2006.
L. Mondello, R. Costa, M.R. De Fina, M.R. Valentino.
 “FFNSC (Flavour and fragrance natural and synthetic compounds) GC-MS library”.
Comunicazione Orale ad Invito (103)
- 359** Shimadzu Sanjo works, Kyoto, Japan, December 15, 2006.
L. Mondello, B. d’Acampora Zellner, D. Sciarrone.
 “Development of an enantio MS library equipped with interactive use of linear retention indices and odour descriptors for reliable identification of enantiomers present in complex mixtures”.
Comunicazione Orale ad Invito (104)
- 360** Shimadzu Sanjo works, Kyoto, Japan, December 15, 2006.
L. Mondello, A. Casilli, M. Lo Presti.
 “Creation of an MS library equipped with interactive use of linear retention indices dedicated to pesticides identification”.
Comunicazione Orale ad Invito (105)
- 361** Shimadzu Sanjo works, Kyoto, Japan, December 15, 2006.
L. Mondello, B. d’Acampora Zellner.
 “Shimadzu GCMS solution and HP chemstation – strategies for unknown spectra matching”
Comunicazione Orale ad Invito (106)
- 362** Shimadzu Sanjo works, Kyoto, Japan, December 15, 2006.
L. Mondello, P. Dugo, T. Kumm.
 “Development and application of a comprehensive HPLC system for the analysis of natural matrices”.
Comunicazione Orale ad Invito (107)
- 363** Shimadzu Sanjo works, Kyoto, Japan, December 15, 2006.
L. Mondello, D. Sciarrone, A. Casilli.
 “LCxGC instrument development”.
Comunicazione Orale ad Invito (108)
- 364** Shimadzu Sanjo works, Kyoto, Japan, December 15, 2006.
L. Mondello, P. Donato.
 “Coupling Shimadzu GC-2010 to IRPrestige-21. Developing of a new GC-FTIR interface for the construction of reliable libraries”.
 Comunicazione Orale a Invito
- 365** Shimadzu Sanjo works, Kyoto, Japan, December 15, 2006.
L. Mondello, P. Dugo, K. Buonasera, F. Cacciola, M.L. Crupi, P. Leinardi.
 “Use of superheated water as chromatographic eluent for liquid chromatography”.
Comunicazione Orale ad Invito (109)
- 366** Shimadzu Sanjo works, Kyoto, Japan, December 15, 2006.
L. Mondello, A. Casilli, B. d’Acampora Zellner.

- “Automated preparative gas chromatography for the analysis of flavour and fragrance materials”.
Comunicazione Orale ad Invito (110)
- 367** Shimadzu Sanjo works, Kyoto, Japan, December 15, 2006.
L. Mondello, B. d’Acampora, P. Leinardi, A. Casilli.
 “Development of a sniffing port device retrofitted to the Shimadzu GC-2010”.
Comunicazione Orale ad Invito (111)
- 368** Shimadzu Sanjo works, Kyoto, Japan, December 15, 2006.
L. Mondello, A. Casilli, B. d’Acampora Zellner.
 “Development of a two-dimensional comprehensive gas-chromatography-olfactometry system for the investigation of flavour and fragrance materials”.
Comunicazione Orale ad Invito (112)
- 369** XIII Discussion group: Mass Spectrometry in Food Chemistry, Palermo 25-27 Marzo 2007
Paola Dugo, Luigi Mondello e Giovanni Dugo.
 “Cromatografia multidimensionale accoppiata alla spettrometria di massa: applicazioni ai grassi alimentari”
Comunicazione Orale
- 370** Shimadzu seminar, Grasse, March 29th, 2007.
Luigi Mondello.
 “Comprehensive GCXGC/MS for the analysis of flavour & fragrance material”
Comunicazione Orale ad Invito (113)
- 371** Shimadzu seminar, Grasse, March 29th, 2007.
Luigi Mondello.
 “Comprehensive LCXLC/MS for the analysis of carotenoids in essential oils and juices”
Comunicazione Orale ad Invito (114)
- 372** Enantiosep ’07, Ferrara, 2-4 Aprile, 2007.
Luigi Mondello.
 “Innovative Gas Chromatographic Approach for the Analysis of Chiral Compounds”.
Comunicazione Orale ad Invito (115)
- 373** Enantiosep ’07, Ferrara, 2-4 Aprile, 2007.
 B. d’Acampora Zellner, A. Casilli, M.L. Crupi, P. Dugo, G. Dugo and L. Mondello.
 “Assessment and Enantiomeric Differentiation of Chiral Compounds by means of GC-Enantio/O and GC-Enantio/MS/O”.
 Comunicazione Orale
- 374** Enantiosep ’07, Ferrara, 2-4 Aprile, 2007.
M.L. Crupi, B. d’Acampora Zellner, P. Dugo, G. Dugo, L. Mondello.

“Determination of the Enantiomeric Distribution of Chiral Compounds in Citrus Oils by means of GC-Enantio/MS”.

Comunicazione Poster

375 Incontro: L’olio d’oliva e il vino: pilastri della dieta Mediterranea, Marsala, 18-19 Aprile 2007.

Paola Dugo, Peter Q. Tranchida, Tiina Kumm, Luigi Mondello.

“Metodiche analitiche innovative per l’analisi degli oli vegetali”.

Comunicazione Orale a Invito

376 International Medicinal and Aromatic Plants Conference on Culinary herbs, Antalya (Turkey), April 29th – May 04th, 2007.

R. Costa, M.R. De Fina, M.R. Valentino, L. Mondello.

“Application of a new GC-MS library, designed with a retention index filter tool, to the analysis of the essential oil of Cistus ladanifer”.

Comunicazione Orale

377 Sigma-Aldrich scientific seminar: “Nuovi sviluppi in HPLC: dalle colonne chirali alle colonne Fast”, Hotel Selene–Via Pontina Km 30 - 00040 Pomezia (RM), 10th Maggio 2007.

Paola Donato e Luigi Mondello.

“Sviluppi applicativi su nuove colonne pellicolari per cromatografia liquida”.

Comunicazione Orale a Invito

378 98th Annual Meeting and Expo, Québec City, Canada, 13-16 Maggio 2007
L. Mondello, P. Quinto Tranchida, P. Dugo, L. Sidisky.

“Comprehensive GCxGC for the analysis of fats and oils”

Comunicazione Orale

379 Dalian International Symposia and Exhibition on Chromatography (DISEC), Dalian, China, June 4-7, 2007.

4th GCxGC Symposium (June 4-5, 2007).

Mondello L., Tranchida P., Casilli A., Dugo P., Dugo G.

“Optimum gas linear velocities in both dimensions in comprehensive two-dimensional gas chromatography (GCxGC)”

Comunicazione Orale ad Invito (116)

380 Dalian International Symposia and Exhibition on Chromatography (DISEC), Dalian, China, June 4-7, 2007.

16th National Symposium and Exhibition on Chromatography (June 4-6, 2007).

Dugo P., Kumm T., Giuffrida D., Herrero Calleja M., Dugo G., Mondello L.

“Comprehensive LC analysis of natural matrixes”.

Comunicazione Orale a Invito

381 Dalian International Symposia and Exhibition on Chromatography (DISEC), Dalian, China, June 4-7, 2007.

16th National Symposium and Exhibition on Chromatography (June 4-6, 2007).

Dugo P., Kumm T., Giuffrida D., Herrero Calleja M., Dugo G., Mondello L.
“Comprehensive LC analysis of natural matrixes”.
Comunicazione Poster

382 Dalian International Symposia and Exhibition on Chromatography (DISEC), Dalian, China, June 4-7, 2007.
30th International Symposium on Capillary Chromatography (June 5-7, 2007)
Tranchida P., Giannino A., Dugo P., Dugo G., Mondello L.
“Evaluation of the use of a very short micro-bore column segment in very fast gas chromatography”
Comunicazione Poster

383 Dalian International Symposia and Exhibition on Chromatography (DISEC), Dalian, China, June 4-7, 2007.
30th International Symposium on Capillary Chromatography (June 5-7, 2007)
Zellner D’Acampora B., Tranchida P., Crupi M.L., Dugo G., Mondello L.
“Application of enantioselective gas chromatography-mass spectrometry-olfactometry for reliable enantiomer characterization in flavour and fragrance material analysis”
Comunicazione Poster

384 Dalian International Symposia and Exhibition on Chromatography (DISEC), Dalian, China, June 4-7, 2007.
30th International Symposium on Capillary Chromatography (June 5-7, 2007)
Costa R., De Fina M.R., Valentino M.R., Dugo G., Mondello L.
“Flavor and fragrance analysis – the use of Iri as a new tool for reliable GC-MS peak assignment”
Comunicazione Poster

385 Dalian International Symposia and Exhibition on Chromatography (DISEC), Dalian, China, June 4-7, 2007.
30th International Symposium on Capillary Chromatography (June 5-7, 2007)
Casilli A., Sciarrone D., Dugo P., Furukawa M., Komori K., Miseki K., Dugo G., Mondello L.
“An innovative and user-friendly multidimensional gas chromatography system for the analysis of multi-effluent bands in complex real-world samples”
Comunicazione Poster

386 Dalian International Symposia and Exhibition on Chromatography (DISEC), Dalian, China, June 4-7, 2007.
30th International Symposium on Capillary Chromatography (June 5-7, 2007)
Sciarrone D., Casilli A., Dugo P., Dugo G., Mondello L.
“High speed gas chromatography full scan quadrupole mass spectrometry for investigation of skin sensitizer profiles in perfumes”

Comunicazione Poster

- 387** Future trends in Phytochemistry – A young scientists symposium, Gargnano (BS), June 6th-9th, 2007.
R. Costa, M.R. De Fina, M.R. Valentino, P. Dugo, L. Mondello.
“Application of a new GC-MS library, designed with a Retention Index filter tool, to the analysis of the essential oil of *Tarchonanthus camphoratus* L.”
Comunicazione Orale
- 388** 33° Congresso Nazionale della Società Italiana di Farmacologia, Cagliari, 6-9 Giugno 2007.
Iolanda Sacco, E. Palma, F. Sulco, C. Colica, V. Vilasi, S. Muscoli, S. Ragusa, L. Mondello, D. Rotiroti, F. Romeo, V. Mollace.
The protective effect of bergamot oil non volatile fraction on lox-1 expression in balloon injury-related neointima formation.
Comunicazione Poster
- 389** Shimadzu Seminar, Shanghai, China, June 8, 2007.
“Reliable Identification by using interactively LRI and mass spectra, multidimensional GC, GCxGC, fast-GC for the analysis of flavour and fragrance samples”
Comunicazione Orale a Invito
- 390** Shimadzu Seminar in Guangzhou, China, June 11, 2007.
“Reliable Identification by using interactively LRI and mass spectra, multidimensional GC, GCxGC, fast-GC for the analysis of flavour and fragrance samples”
Comunicazione Orale a Invito
- 391** Ruolo e potenzialità della cromatografia liquida e gassosa e della spettrometria di massa nell'accertamento della qualità, tipicità e sicurezza degli alimenti. Giornata di Studio. Consiglio Nazionale delle Ricerche, Istituto di Metodologie Chimiche, Montelibretti (Roma), June 14th, 2007.
A. Salvatore, L. Mondello
“Utilizzo di librerie GC-MS con indici di ritenzione per l'identificazione di composti di interesse alimentare”
Comunicazione Orale
- 392** Ruolo e potenzialità della cromatografia liquida e gassosa e della spettrometria di massa nell'accertamento della qualità, tipicità e sicurezza degli alimenti. Giornata di Studio. Consiglio Nazionale delle Ricerche, Istituto di Metodologie Chimiche, Montelibretti (Roma), June 14th, 2007.
T. Kumm, P. Dugo, L. Mondello.
“Cromatografia liquida multidimensionale per la determinazione di carotenoidi in matrici alimentari”.
Comunicazione Orale
- 393** Qualità e Salubrità degli alimenti. Il contributo della spettrometria di massa. Workshop. Università degli Studi della Calabria, Rende (CS), June 15th, 2007.

- T. Kumm, P. Dugo, L. Mondello.
 “Cromatografia liquida multidimensionale per la determinazione di carotenoidi in matrici alimentari”.
Comunicazione Orale a Invito
- 394** Qualità e Salubrità degli alimenti. Il contributo della spettrometria di massa. Workshop. Università degli Studi della Calabria, Rende (CS), June 15th, 2007.
 A. Salvatore, L. Mondello.
 “Utilizzo di librerie GC-MS con indici di ritenzione per l’identificazione di composti di interesse alimentare”
Comunicazione Orale ad Invito (117)
- 395** 31st International Symposium on High Performance Liquid Phase Separations and Related Technique, HPLC 2007. International Convention Centre, Ghent, Belgio, June 17-21, 2007
P. Dugo, T. Kumm, F. Cacciola, L. Mondello
 “Comprehensive Two-dimensional Liquid Chromatography combined with photodiode array and mass spectrometric detection in the analysis of natural matrixes”
Comunicazione Orale
- 396** 13th International Symposium on Separation Sciences. High Tatras, Strbské Pleso, Slovak Republic, June 27-29, 2007.
 Hans-Ulrich Baier, Margit Geissler, Luigi Mondello.
 “Comprehensive GC with quadrupole mass spectrometric detection”
 Comunicazione Orale
- 397** Massa 2007 and Liquid Ions in Lucca 2007. Complesso ex Convento San Michele, Lucca, September 2-5, 2007.
Peter Q. Tranchida, Paola Dugo, Tiina Kumm, Luigi Mondello.
 “Comprehensive Two-dimensional Liquid Chromatography Combined with Mass Spectrometric Detection in the Analysis of Natural Matrixes”
Comunicazione Orale
- 398** 38th International Symposium on Essential Oils, Graz, Austria, September 9-12, 2007.
L. Mondello
 “Innovative Approaches for the Analysis of Essential Oils (Fast-GC, MDGC, GCxGC, LCxLC)”
Comunicazione Orale (21)
- 399** 38th International Symposium on Essential Oils, Graz, Austria, September 9-12, 2007.
d’Acampora Zellner B., Rubiolo P., Bicchi C., Dugo P., Dugo G., Mondello L.
 “Reliable identification of Enantiomers Comprised in Flavour and Fragrance Matrices by Means of GC-Enantio/MS/O”
Comunicazione Poster
- 400** 38th International Symposium on Essential Oils,

Graz, Austria, September 9-12, 2007.

Crupi M.L., d'Acampora Zellner B., Dugo P., Dugo G., Mondello L.
“Revisited Enantioselective Investigation of Citrus Oils by Means of GC-Enantio/MS”
Comunicazione Poster

401 38th International Symposium on Essential Oils,
Graz, Austria, September 9-12, 2007.
Costa R., De Fina M.R., Valentino M.R., Dugo G., Mondello L.
“Comparison of the Chromatographic Fingerprints of Horseradish and Mustard Oils (Brassicaceae) with the Support of an Innovative GC-MS Database”
Comunicazione Poster

402 38th International Symposium on Essential Oils,
Graz, Austria, September 9-12, 2007.
Costa R., Lo Presti M., Crupi M.L., d'Acampora Zellner B., Dugo P., Mondello L.
“Volatile Constituents of Genepi Elixir and Artemisia umbelliformis Essential Oils”
Comunicazione Poster

403 38th International Symposium on Essential Oils,
Graz, Austria, September 9-12, 2007.
Rubiolo P., Liberto E., Cagliero C., Sgorbini B., Bicchi C., d'Acampora Zellner B., Mondello L.
“Linear Retention Indices in Enantioselective GC coupled with Mass Spectrometry (ES-GC-MS) as a tool to identify Enantiomers in the Flavour and Fragrance Fields”
Comunicazione Poster

404 38th International Symposium on Essential Oils,
Graz, Austria, September 9-12, 2007.
Sciarrone D., Casilli A., Dugo P., Dugo G., Mondello L.
“High Speed Gas Chromatography – Full Scan Mass Spectrometry for the Determination of Fragrance Allergens”
Comunicazione Poster

405 Euroanalysis XIV, Antwerp, Belgium, September 9-14, 2007.
R. Costa, M.R. De Fina, M.R. Valentino, M. Geibler, P. Dugo, L. Mondello.
“New tools in GC-MS analysis: interactive use of Retention Indices within a newly designed library dedicated to Flavor & Fragrance material”
Comunicazione Poster

406 5th Euro fed lipid Congress and 24th Symposium of the Nordic Lipidforum,
Oils, fats and Lipids: from Science to Applications, Innovations for a better World. Gothenburg, Sweden, 16-19 September 2007.
Paola Dugo, Peter Q. Tranchida, Tiina Kumm, Giovanni Dugo, Luigi Mondello

“Innovative Multidimensional Chromatographic Systems Applied to the Analysis of Fats and Oils”

Comunicazione Orale a Invito.

- 407** Advances in GC technology, Cheshire, England, September 27, 2007.
L. Mondello
“New multidimensional approaches (Comprehensive GCxGC and Multidimensional GC) for the analysis of complex samples”
Comunicazione Orale ad Invito (118)
- 408** 6th International Symposium on the Mediterranean pig, Capo d’Orlando, Messina, October 11-13, 2007.
Chiofalo B., Costa R., Mondello L., Chiofalo V.
“Nero Siciliano pig for the production of “Nebrodi” cured sausage: effect of some traditional diets on sensorial characteristics” pp 69-69
Comunicazione Poster
- 409** I Workshop of the Spanish Society of Mass Spectrometry
VII Scientific Meeting of the Spanish Society of Chromatography and Related Techniques. Granada, Spain, October 17-19,2007
L.Mondello
“Comprehensive chromatography techniques (LCxLC, GCxGC) coupled to mass spectrometry for the separation of complex mixtures”.
ISBN 978-84-338-4615-0 (Editorial Universidad de Granada) pp89-89
Comunicazione Orale ad Invito (119)
- 410** 31st International Symposium on Capillary Chromatography & Electrophoresis, Albuquerque, New Mexico, USA, November 28-30,2007
Luigi Mondello
“Comprehensive chromatography techniques (LCxLC AND GCxGC) coupled to mass spectrometry for the separation of natura matrices”.
Comunicazione Orale ad Invito (120)
- 411** 31st International Symposium on Capillary Chromatography & Electrophoresis, Albuquerque, New Mexico, USA, November 28-30,2007
Luigi Mondello, Rosaria Costa, Maria Rosa De Fina, Maria Rita Valentino
“Increase the power of mass spectral search through the use of a GC-MS database provided with linear retention index information”
Comunicazione Poster (21)
- 412** 31st International Symposium on Capillary Chromatography & Electrophoresis, Albuquerque, New Mexico, USA, November 28-30,2007
Luigi Mondello, Danilo Sciarrone, Maria Lo Presti, Paola Dugo, Giovanni Dugo.
“Multiple heart-cut multidimensional gas chromatography-mass spectrometry for the investigation of allergens in fragrances”
Comunicazione Poster (22)
- 413** Tenth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, Site Oud Sint-Jan, Bruges, Belgium, January 30th - February 1st, 2008.

Luigi Mondello, Paola Dugo and Giovanni Dugo
“Multidimensional and Comprehensive Chromatography (MDGC, GCxGC, LCxLC, LCxGC) for the Analysis of Complex Matrices”.
Comunicazione Orale ad Invito (121)

414 Tenth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, Site Oud Sint-Jan, Bruges, Belgium, January 30th - February 1st, 2008.
H.-G. Janssen, P. Schoenmakers and L. Mondello.
“Comprehensive Two-Dimensional Liquid Chromatography: Instrumentation, Method Optimization and Applications”.
Comunicazione Orale ad Invito (122)

415 Tenth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, Site Oud Sint-Jan, Bruges, Belgium, January 30th - February 1st, 2008.
L. Mondello.
“Comprehensive Techniques”.
Comunicazione Orale ad Invito (123)

416 Tenth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, Site Oud Sint-Jan, Bruges, Belgium, January 30th - February 1st, 2008.
L. Mondello, B. d'Acampora Zellner, P. Dugo and G. Dugo.
“Quality and Genuineness Assignment of Italian Citrus Essential Oils through Carbon Measurements of Target Components by means of Gas Chromatography/Combustion/Isotope Ratio Mass Spectrometry”.
In “*Book of Abstracts*”, ISBN 9789081124829 (CIP Koninklijke Bibliotheek van België Brussels, Belgium)
Comunicazione Poster (23)

417 Tenth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, Site Oud Sint-Jan, Bruges, Belgium, January 30th - February 1st, 2008.
Luigi Mondello, Peter Quinto Tranchida, Monica Mondello, Paola Dugo and Giovanni Dugo.
“Improved Exploitation of Bidimensional Space by Means of Split-Flow Comprehensive Two-Dimensional Gas Chromatography”.
In “*Book of Abstracts*”, ISBN 9789081124829 (CIP Koninklijke Bibliotheek van België Brussels, Belgium)
Comunicazione Poster (24)

418 Tenth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, Site Oud Sint-Jan, Bruges, Belgium, January 30th - February 1st, 2008.
Luigi Mondello, Danilo Sciarrone, Paola Dugo and Giovanni Dugo.
“Analysis of essential oils by using comprehensive LC-GC system”.
In “*Book of Abstracts*”, ISBN 9789081124829 (CIP Koninklijke Bibliotheek van België Brussels, Belgium)
Comunicazione Poster (25)

- 419** Tenth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, Site Oud Sint-Jan, Bruges, Belgium, January 30th - February 1st, 2008.
Luigi Mondello, Miguel Herrero, Tiina Kumm, Paola Dugo and Giovanni Dugo.
 “Evaluation of Carotenoid Composition in Citrus Essential Oils by NPLC_xRPLC Coupled to Photo Diode Array and Mass Spectrometric Detectors”.
 In “*Book of Abstracts*”, ISBN 9789081124829 (CIP Koninklijke Bibliotheek van België Brussels, Belgium)
Comunicazione Poster (26)
- 420** Tenth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, Site Oud Sint-Jan, Bruges, Belgium, January 30th - February 1st, 2008.
Hans-Ulrich Baier, Luigi Mondello and Susanne Böhme
 “The Determination of Allergens in Cosmetics using GC_xGCMS”
 In “*Book of Abstracts*”, ISBN 9789081124829 (CIP Koninklijke Bibliotheek van België Brussels, Belgium)
Comunicazione Poster
- 421** Tenth International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers, Site Oud Sint-Jan, Bruges, Belgium, January 30th - February 1st, 2008.
Luigi Mondello, Paola Donato, Paola Dugo and Giovanni Dugo
 “LCMS-IT-TOF in Proteome Research”
 In “*Book of Abstracts*”, ISBN 9789081124829 (CIP Koninklijke Bibliotheek van België Brussels, Belgium)
Comunicazione Poster (27)
- 422** Workshop con il Patrocinio della Scuola Internazionale “Bernardino Telesio”. Autenticità dei Prodotti Agroalimentari. Il Pomodoro, Università della Calabria Aula Magna, Cosenza, 23 Aprile 2008.
Luigi Mondello e Paola Dugo
 “Rilevazione antiossidanti naturali mediante LC_xLC-MS”
Comunicazione Orale ad Invito (124)
- 423** 32nd International Symposium and Exhibit on High Performance Liquid Phase Separations and Related Techniques , Baltimore, MD, USA, May 10-16, 2008.
Paola Dugo, Paola Donato, Giovanni Dugo and Luigi Mondello.
 “Multidimensional Two-dimensional Liquid Chromatography in the Determination of Real Samples”.
Comunicazione Orale a Invito
- 424** 32nd International Symposium and Exhibit on High Performance Liquid Phase Separations and Related Techniques , Baltimore, MD, USA, May 10-16, 2008.
Paola Donato; Francesco Cacciola; Marina Cambria; Paola Dugo; Luigi Mondello

“Evaluation of shell-packed stationary phases for faster and highly efficient HPLC separations”.

Comunicazione Poster

- 425** 40th Mid-Atlantic Regional Meeting of the American Chemical Society (MARM), Queensborough Community College, Bayside (Queens), New York, May 17-21, 2008.

Luigi Mondello

“Comprehensive LCxLC for the Analysis of Semi-Volatile Compounds”

Comunicazione Orale a Invito (125)

- 426** 5th GCxGC Symposium, Riva del Garda, Italy, May 26-27 2008.

Peter Quinto Tranchida and Luigi Mondello

“Exploitation of comprehensive two-dimensional gas chromatography for the qualitative and quantitative analysis of apparently simple samples”.

Comunicazione Orale a Invito

- 427** 32nd International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 27-30, 2008.

Luigi Mondello

“Comprehensive chromatography: potential, limits and applications”.

Comunicazione Orale a Invito (126)

- 428** 32nd International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 27-30, 2008.

Carla Aragonese, Paola Donato, Danilo Sciarrone, Paola Dugo, Giovanni Dugo and Luigi Mondello

“Evaluation of a New Ionic Liquid-Based Stationary Phase for GC Capillary Columns”

Comunicazione Poster

- 429** 32nd International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 27-30, 2008.

Danilo Sciarrone, Paola Dugo, Giovanni Dugo and Luigi Mondello

“Determination and Quantitation of Harmful Compounds in Petrol Products by means of a Multidimensional Gaschromatographic System Coupled with a MS Detector”.

Comunicazione Poster

- 430** 32nd International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 27-30, 2008.

Barbara d’Acampora Zellner, Paola Dugo, Giovanni Dugo, and L. Mondello

“Investigation of Italian Citrus Essential Oils and their Quality Marker Monoterpenoids by means of Gas Chromatography/Combustion/Isotope Ratio Mass Spectrometry”.

Comunicazione Poster

- 431** 32nd International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 27-30, 2008.

Francesco Cacciola, Paola Donato, Miguel Herrero, Paola Dugo, Giovanni Dugo, and Luigi Mondello
“Comprehensive Two Dimensional Systems Employing Micro-Columns in the First Dimension Separation for the Analysis of Phenolic Antioxidants”.
Comunicazione Poster

432 32nd International Symposium on Capillary Chromatography, Riva del Garda, Italy, May 27-30, 2008.
Rosaria Costa, Maria Rosa De Fina, Maria Rita Valentino, Paola Dugo, Giovanni Dugo, Luigi Mondello
“Combination of Linear Retention Indices with a very Versatile Software for Improved Identification in Flavour and Fragrance Analysis”
Comunicazione Poster

433 Giornata di studio Oli Aromatizzati: Aspetti Tecnologici, Analitici e Normativi, Livorno, 4 Giugno 2008
Rosaria Costa, Peter Quinto Tranchida e Luigi Mondello
“Valutazione Analitica degli Aromi”
Comunicazione Orale a Invito

434 Seminario Shimadzu, Roma, 17 Giugno 2008
Luigi Mondello, Paola Donato, Francesco Cacciola, Paola Dugo
“La Cromatografia Comprehensive LCxLC accoppiata alla Spettrometria di Massa IT-TOF per l’Analisi di Campioni Alimentari”
Comunicazione Orale a Invito

435 Seminario Shimadzu, Roma, 17 Giugno 2008
Luigi Mondello, Peter Quinto Tranchida, Danilo Sciarrone
“Tecniche Multidimensionali e Comprehensive GCxGC per l’analisi di Miscele Complesse”
Comunicazione Orale a Invito

436 VII Congresso Nazionale di Chimica degli Alimenti, Perugia 23-26 Giugno 2008
Dugo P., Giuffrida D., Herrero M., Cacciola F., Dugo G., Mondello L.
“Applicazione della LCxLC-PDA-MS alla Caratterizzazione dei Carotenoidi in prodotto Agrumari”
Comunicazione Orale

437 VII Congresso Nazionale di Chimica degli Alimenti, Perugia 23-26 Giugno 2008
Tranchida P.Q., Dugo P., Mondello M., Mondello L., Dugo G.
“Analisi di Lipidi mediante la Gascromatografia Bidimensionale (GCxGC)”
Comunicazione Orale

438 VII Congresso Nazionale di Chimica degli Alimenti, Perugia 23-26 Giugno 2008
Dugo P., Herrero M., Cacciola F., Giuffrida D., Dugo G.mo, Mondello L.
“Analisi di Carotenoidi in Matrici Naturali attraverso l’uso di Colonne HPLC in Fase Inversa Accoppiate in serie”

Comunicazione Poster

- 439** The 15TH International Symposium on Carotenoids, Okinawa, Japan 22nd-27th June 2008.
Daniele Giuffrida, Paola Dugo, Miguel Herrero, Tiina Kumm, and Luigi Mondello
“Comprehensive LCxLC-PDA-MS Applied for the Analyses of free Carotenoids and Carotenoid Esters in Citrus Products”
Comunicazione Poster
- 440** The 15TH International Symposium on Carotenoids, Okinawa, Japan 22nd-27th June 2008.
Miguel Herrero, Francesco Cacciola, Daniele Giuffrida, Giacomo Dugo, Paola Dugo, Luigi Mondello.
“Serial Coupled Columns Reversed-Phase Separations to Analyze Carotenoids from Natural Matrices”
Comunicazione Poster
- 441** XLVII Congresso della Società Italiana di Fisiologia Vegetale, Pisa, June 30th-July 2nd 2008.
Luigi Mondello
“Comprehensive Analysis of Red Sea-weed lipids using Multidimensional Techniques”
Comunicazione Orale ad Invito (127)
- 442** 5th International Congress on Pigments in Food, Helsinki, Finland 14-16 August 2008.
Daniele Giuffrida, Paola Dugo, Miguel Herrero, Tiina Kumm, and Luigi Mondello
“Comprehensive two-dimensional liquid chromatography for the analysis of the carotenoid composition of Citrus juices and essential oils”
Comunicazione Orale ad Invito (128)
- 443** 39th International Symposium on Essential Oils, ISEO 2008 Quedlinburg, Germany, September 7-10, 2008
Mondello L
“Innovative approaches for the analysis of essential oils (Fast-GC, MDGC, GCxGC, LCxLC)”
Comunicazione Orale ad Invito (129)
- 444** 39th International Symposium on Essential Oils, ISEO 2008 Quedlinburg, Germany, September 7-10, 2008
Baier H-U, Böhme S, Mondello L
“The determination of allergens in cosmetics using GCxqGCMS”
Comunicazione Poster
- 445** 39th International Symposium on Essential Oils, ISEO 2008 Quedlinburg, Germany, September 7-10, 2008
Sciarrone D, Shellie R, Dugo P, Dugo G, Mondello L
“Multidimensional gas chromatographic techniques for the quality assessment of tea tree oil”

Comunicazione Poster

- 446** 39th International Symposium on Essential Oils, ISEO 2008 Quedlinburg, Germany, September 7-10, 2008
Dugo P, Giuffrida D, Herrero M, Donato P, Dugo G, Mondello L
“Comprehensive LCxLC-PDA-MS applied for the analyses of free carotenoids and carotenoid esters In citrus products”
Comunicazione Poster
- 447** 39th International Symposium on Essential Oils, ISEO 2008 Quedlinburg, Germany, September 7-10, 2008
Costa R, De Fina MR, Valentino MR, Rustaiyan A, Dugo P, Dugo G, Mondello L
“Synergistic combination of quantitative GC-FID and innovative GC-MS analyses for the characterization of some *Artemisia* species from Iran
Comunicazione Poster
- 448** 8th International Conference VITAMINS 2008 Nutrition and Diagnostics, ZLIN, Czech Republic, September 9-11, 2008
Tranchida P.Q., Mondello L.
The use of multi-chromatographic dimensions in the analysis of biological, cosmetic and food products.
Comunicazione Orale
- 449** XXI Convegno Nazionale della Divisione di Chimica Analitica della Società Chimica Italiana, Arcavacata di Rende (CS), 21-25 Settembre 2008
P. Dugo, D. Giuffrida, M. Herrero, P. Donato, L. Mondello
“Confronto tra l’uso di colonne HPLC in fase inversa accoppiate in serie e la cromatografia liquida “comprehensive” per la caratterizzazione di carotenoidi in prodotti agrumari”.
Comunicazione Orale
- 450** XXI Convegno Nazionale della Divisione di Chimica Analitica della Società Chimica Italiana, Arcavacata di Rende (CS), 21-25 Settembre 2008
L. Mondello
“Tecniche Cromatografiche Multidimensionali (Comprehensive) accoppiate alla spettrometria di massa per l’analisi di miscele complesse”.
Comunicazione Orale (22)
- 451** XXI Convegno Nazionale della Divisione di Chimica Analitica della Società Chimica Italiana, Arcavacata di Rende (CS), 21-25 Settembre 2008
D. Sciarrone, P.Q. Tranchida, P. Dugo, G. Dugo, L. Mondello
“Cromatografia Tridimensionale Comprehensive Off-line LC-GCxGC Accoppiata ad uno Spettrometria di Massa per l’Analisi del Gasolio”
Comunicazione Orale
- 452** XXI Convegno Nazionale della Divisione di Chimica Analitica della Società Chimica Italiana, Arcavacata di Rende (CS), 21-25 Settembre 2008
F. Cacciola, P. Donato, P. Dugo, G. Dugo, L. Mondello
“Utilizzo di fasi stazionarie HPLC parzialmente porose in cromatografia “comprehensive” (LCxLC)”

Comunicazione Poster

- 453** XXI Convegno Nazionale della Divisione di Chimica Analitica della Società Chimica Italiana, Arcavacata di Rende (CS), 21-25 Settembre 2008
P.Q. Tranchida, M. Mondello, P. Dugo, G. Dugo, L. Mondello
“Cromatografia gassosa multidimensionale (GCxGC): ottimizzazione dei flussi in entrambi le dimensioni”
Comunicazione Poster
- 454** XXI Convegno Nazionale della Divisione di Chimica Analitica della Società Chimica Italiana, Arcavacata di Rende (CS), 21-25 Settembre 2008
A. Salvatore, P. Dugo, G. Dugo, L. Mondello
“Valutazione dell’uso degli esteri metilici e degli esteri etilici degli acidi grassi come composti di riferimento per il calcolo degli indici di ritenzione lineari nella gascromatografia”
Comunicazione Poster
- 455** XXI Convegno Nazionale della Divisione di Chimica Analitica della Società Chimica Italiana, Arcavacata di Rende (CS), 21-25 Settembre 2008
C. Ragonese, P.Q. Tranchida, P. Dugo, G. Dugo, L. Mondello
“Liquidi Ionici a Temperatura Ambiente (RTILs) come fase Stazionaria per la Separazione di Isomeri Cis/Trans di Esteri Metilici di Acidi Grassi Insaturi”
Comunicazione Poster
- 456** XXI Convegno Nazionale della Divisione di Chimica Analitica della Società Chimica Italiana, Arcavacata di Rende (CS), 21-25 Settembre 2008
P. Donato, F. Cacciola, P. Dugo, G. Dugo, L. Mondello
“Sviluppo di un metodo LC/MS per l’analisi di proteine con alta efficienza e precisione”
Comunicazione Poster
- 457** XXI Convegno Nazionale della Divisione di Chimica Analitica della Società Chimica Italiana, Arcavacata di Rende (CS), 21-25 Settembre 2008
D. Sciarrone, P.Q. Tranchida, P. Dugo, G. Dugo, L. Mondello
“Identificazione e Quantificazione di Composti Nocivi nelle Benzine Mediante un Sistema Multidimensionale GC-MS”
Comunicazione Poster
- 458** XXI Convegno Nazionale della Divisione di Chimica Analitica della Società Chimica Italiana, Arcavacata di Rende (CS), 21-25 Settembre 2008
M. Cambria, M. Russo, C. Carnovale, A. Piperno, P. Dugo, L. Mondello
“Ottimizzazione di un metodo RP-HPLC per isolare, identificare e quantificare le furanocumarine presenti in matrici naturali”
Comunicazione Poster
- 459** XXI Convegno Nazionale della Divisione di Chimica Analitica della Società Chimica Italiana, Arcavacata di Rende (CS), 21-25 Settembre 2008
B. Gabriele, A. Fazio, P. Dugo, R. Costa, L. Mondello
“Analisi dell’olio essenziale di cedro estratto con tre differenti tecniche”
Comunicazione Poster

- 460** Overcoming Challenger In Flavour & Fragrance Analysis: The Latest Techniques” New Dehli (INDIA) 2 October 2008
Luigi Mondello
 Shimadzu Seminar “ Reliable Identification By Using Interactively Linear Retention Index (LRI) & Mass Spectra, Multidimensional GC, GC x GC, Fast-GC For The Analysis of Flavour & Fragrance Samples”
Comunicazione Orale ad Invito (130)
- 461** Overcoming Challenger In Flavour & Fragrance Analysis: The Latest Techniques” Mumbai (INDIA) 30 September 2008
Luigi Mondello
 Shimadzu Seminar “ Reliable Identification By Using Interactively Linear Retention Index (LRI) & Mass Spectra, Multidimensional GC, GC x GC, Fast-GC For The Analysis of Flavour & Fragrance Samples”
Comunicazione Orale ad Invito (131)
- 462** Metodologie Analitiche Avanzate per la Determinazione di Sostanze Naturali
 Chieti, Campus Universitario, Facoltà di Farmacia, 2-4 ottobre
Paola Dugo, Peter Q. Tranchida, Giovanni Dugo, Luigi Mondello
 “Metodi Cromatografici Multidimensionali per la Determinazione di sostanze naturali”
Comunicazione Orale a Invito
- 463** Overcoming Challenger In Flavour & Fragrance Analysis: The Latest Techniques” Singapore (MALAYSIA) 2 October 2008
Luigi Mondello
 Shimadzu Seminar “ Reliable Identification By Using Interactively Linear Retention Index (LRI) & Mass Spectra, Multidimensional GC, GC x GC, Fast-GC For The Analysis of Flavour & Fragrance Samples”
Comunicazione Orale ad Invito (132)
- 464** Overcoming Challenger In Flavour & Fragrance Analysis: The Latest Techniques” Manila (FILIPPINE) 3 October 2008
Luigi Mondello
 Shimadzu Seminar “ Reliable Identification By Using Interactively Linear Retention Index (LRI) & Mass Spectra, Multidimensional GC, GC x GC, Fast-GC For The Analysis of Flavour & Fragrance Samples”
Comunicazione Orale ad Invito (133)
- 465** Sigma-Aldrich Meeting, Copenhagen, Denmark, 21 oktober 2008
Tranchida Peter Quinto, Luigi Mondello
 “Evaluation of Use of a Dicationic Stationary Phase (IL-100) in the GC Analysis of Scientifically and Industrially Important Samples”
Comunicazione Orale a Invito
- 466** COLACRO XII - Latin-American Congress of Chromatography and Related Techniques, Florianopolis (SC) Brasil, 28-30 OUT 2008
 R. Costa, M.R. De Fina, M.R. Valentino, P. Dugo, G. Dugo, L. Mondello

“Combination of Linear Retention Indices and Spectral Similarity: an aid for GC-MS users”

Comunicazione Poster (28)

- 467** COLACRO XII - Latin-American Congress of Chromatography and Related Techniques, Florianopolis (SC) Brasil, 28-30 OUT 2008
D. Sciarrone, P.Q. Tranchida, P. Dugo, G. Dugo, L Mondello
“Analysis of Diesel By Means of Off-line Tridimensional Comprehensive Chromatography LC-GCxGC Couplet with a MS Detector”
Comunicazione Poster
- 468** COLACRO XII - Latin-American Congress of Chromatography and Related Techniques, Florianopolis (SC) Brasil, 28-30 OUT 2008
D. Sciarrone, P. Dugo, G. Dugo, L Mondello
“Gasoline Oxygenated and Nocive Compounds Investigatio Using A Multidimensional Gas Chromatographic System Couplet With A Fast Scanning Mass Spectrometer”
Comunicazione Poster
- 469** COLACRO XII - Latin-American Congress of Chromatography and Related Techniques, Florianopolis (SC) Brasil, 28-30 OUT 2008
C. Ragonese, D. Sciarrone, P. Dugo, G. Dugo, L Mondello
“ Fast GC Analysis of Diesel Blend FAMEs by Means of A Ionic Liquid Stationary Phase”
Comunicazione Poster
- 470** COLACRO XII - Latin-American Congress of Chromatography and Related Techniques, Florianopolis (SC) Brasil, 28-30 OUT 2008
P. Dugo, P. Donato, D Giuffrida, M. Herrero, F. Cacciola, L Mondello
“Use of Comprehensive LCxLC-PDA-MS/MS for The Analysis of Free Carotenoids and Carotenoid Esters in Citrus Products”
Comunicazione Poster
- 471** COLACRO XII - Latin-American Congress of Chromatography and Related Techniques, Florianopolis (SC) Brasil, 28-30 OUT 2008
Rita C. Zacardi de Souza, Fabio Augusto, Monica Mondello, Peter Quinto Tranchida, Lauro Euclides Soares Borata, Luigi Mondello
“Análise do Oleo Essencial de Aniba Parviflora (Macacaporanga) por Cromatografia Gasosa Monodimensional e Bidimensional Abragente Acopladas a Espectrometria de Massas”
Comunicazione Poster
- 472** COLACRO XII - Latin-American Congress of Chromatography and Related Techniques, Florianopolis (SC) Brasil, 28-30 OUT 2008
Luigi Mondello
“Comprehensive LCxLC Coupled to IT-TOF Mass Spectrometry for Exact Mass Measurement ”
Comunicazione Orale ad Invito (134)
- 473** COLACRO XII - Latin-American Congress of Chromatography and Related Techniques, Florianopolis (SC) Brasil, 28-30 OUT 2008

- Luigi Mondello
 “Comprehensive Two-Dimensional Gas Chromatography in Combination with Mass Spectrometry”
Comunicazione Orale ad Invito (135)
- 474** COLACRO XII - Latin-American Congress of Chromatography and Related Techniques, Florianopolis (SC) Brasil, 28-30 OUT 2008
Paola Dugo, Luigi Mondello
 “MS Analyzers, MS-MS and SIM Methods”
Comunicazione Orale a Invito
- 475** COLACRO XII - Latin-American Congress of Chromatography and Related Techniques, Florianopolis (SC) Brasil, 28-30 OUT 2008
Luigi Mondello
 “Last Developments in Conventional Multidimensional gas Chromatography and Comprehensive Chromatography”
Comunicazione Orale ad Invito (136)
- 476** Shimadzu EAM (European Application Marketing) Meeting, Milton Keynes, (UK) 29-30 October 2008
Peter Quinto Tranchida, Luigi Mondello
 “Heart-cutting Multidimensional GC and Comprehensive 2D GC: Theory, Practical Aspects and Applications”
Comunicazione Orale a Invito
- 477** 47th Eastern Analytical Symposium & Exposition, Garden State Exhibit Center Somerset, New Jersey, November 17-20, 2008
Luigi Mondello
 “Comprehensive Chromatography: An Overview”
Comunicazione Orale ad Invito (137)
- 478** Seminario Shimadzu - Tecniche analitiche nei settori ambientale e alimentare Istituto Zooprofilattico, Palermo, 19 Novembre 2008
Danilo Sciarrone e Luigi Mondello.
 “Tecniche Gascromatografiche Multidimensionali e Comprehensive Applicate All’analisi Dei Grassi e Dei Pesticidi”
Comunicazione Orale a Invito
- 479** Seminario Shimadzu - Tecniche analitiche nei settori ambientale e alimentare Istituto Zooprofilattico, Palermo, 19 Novembre 2008
Paola Donato e Luigi Mondello.
 “Applicazioni di Cromatografia Liquida “Comprehensive per l’Analisi di Matrici Complesse”
Comunicazione Orale a Invito
- 480** Shimadzu Corporation, Kyoto, Japan, December 1, 2008.
Luigi Mondello.
 “FFNSC”
Comunicazione Orale ad Invito (138)
- 481** Shimadzu Corporation, Kyoto, Japan, December 1, 2008.

- Luigi Mondello.
 “Development of a twin-oven, split-flow GC x GC-qMS prototype: towards truly optimized comprehensive 2D GC”
Comunicazione Orale ad Invito (139)
- 482** Shimadzu Corporation, Kyoto, Japan, December 1, 2008.
Luigi Mondello and Danilo Sciarrone.
 “LCxGC system”
Comunicazione Orale ad Invito (140)
- 483** HPLC2008- The 33rd International Symposium on High Performance Liquid Phase Separations and Related Techniques, Kyoto Japan, December 2-5, 2008
Luigi Mondello
 “Comprehensive LC Coupled to IT-TOF Mass Spectrometry for Exact Molecules Confirmation”
Comunicazione Orale ad Invito (141)
- 484** HPLC2008- The 33rd International Symposium on High Performance Liquid Phase Separations and Related Techniques, Kyoto Japan, December 2-5, 2008
Danilo Sciarrone, Peter Q. Tranchida, Paola Dugo, Giovanni Dugo, Luigi Mondello
 “Analysis of Diesel by Means of Off-Line Tridimensional Comprehensive Chromatography LC-GCxGC Coupled with a Ms Detector”
Comunicazione Orale
- 485** HPLC2008- The 33rd International Symposium on High Performance Liquid Phase Separations and Related Techniques, Kyoto Japan, December 2-5, 2008
 Francesco Cacciola, Miguel Herrero, Paola Donato, Paola Dugo, Luigi Mondello
 “Employment of Comprehensive Two-Dimensional Liquid Chromatography for Quantification of Polyphenols in Red Wines”
Comunicazione Poster (29)
- 486** HPLC2008- The 33rd International Symposium on High Performance Liquid Phase Separations and Related Techniques, Kyoto Japan, December 2-5, 2008
 Marina Cambria, Marina Russo, Paola Dugo, Giovanni Dugo, Luigi Mondello
 “Optimization of an RP-HPLC Method for the Identification and Quantification of Oxygen Heterocyclic Components in Citrus Oils”
Comunicazione Poster (30)
- 487** HPLC2008- The 33rd International Symposium on High Performance Liquid Phase Separations and Related Techniques, Kyoto Japan, December 2-5, 2008
 Miguel Herrero, Paola Donato, Paola Dugo, Luigi Mondello
 “Characterization of Phospholipids Molecular Species in Milk by Using a Hybrid IT-TOF-MS Analyzer”

- 488** HPLC2008- The 33rd International Symposium on High Performance Liquid Phase Separations and Related Techniques, Kyoto Japan, December 2-5, 2008
Paola Donato, Daniele Giuffrida, Miguel Herrero, Francesco Cacciola, Paola Dugo, Luigi Mondello
“Comprehensive Liquid Chromatography-Tandem Mass Spectrometry of Carotenoids”

- 489** Incontro: Tecnologia dei sensori a servizio della buona alimentazione. Campus Bio-Medico, Roma, 3 dicembre 2008
Paola Donato, Paola Dugo, Luigi Mondello
“Applicazioni di Cromatografia Liquida “Comprehensive” per l’Analisi di Matrici Alimentari”

- 490** ASASS- ACROSS Symposium on Advances in Separation Science, Hobart, Tasmania, Australia, 08 December-10 December, 2008

“Optimisation of Gas Flows in Comprehensive Two-Dimensional Gas Chromatography”

- 491** ASASS- ACROSS Symposium on Advances in Separation Science, Hobart, Tasmania, Australia, 08 December-10 December, 2008
Danilo Sciarrone, Robert A. Shellie, Paola Dugo, Giovanni Dugo, Luigi Mondello

“Investigation on The level of Oxidation and Quality of Tea Tree oil Using an Innovative Multidimensional Gas Chromatographic System”

Poster Communication

- 492** IFEAT – Italy Study Tour, February 26th, 2009, Facoltà di Farmacia, Università di Messina, Messina, Italy.

“Innovative analytical approaches applied to essential oils”

- 493** IFEAT – Italy Study Tour, February 26th, 2009, Facoltà di Farmacia, Università di Messina, Messina, Italy.

“HPLC and HPLC-MS of oxygen heterocyclic components of Citrus oils”

Oral Communication

- 494** IFEAT – Italy Study Tour, February 26th, 2009, Facoltà di Farmacia, Università di Messina, Messina, Italy.

“GC and GC-MS of Citrus oils”

Oral Communication

- 495** 6th GCxGC Symposium, Portland, Oregon, USA, May 18-19 2009.
Giorgia Purcaro, Peter Quinto Tranchida, Luigi Mondello
 “Advantages of using comprehensive 2D GC in the analysis of lipids”.
Comunicazione Orale
- 496** 6th GCxGC Symposium, Portland, Oregon, USA, May 18-19 2009.
Giorgia Purcaro, Peter Quinto Tranchida, Lanfranco Conte, Paola Dugo, Giovanni Dugo, Luigi Mondello
 “Towards truly optimized comprehensive two-dimensional gas chromatography”.
Comunicazione Poster
- 497** 6th GCxGC Symposium, Portland, Oregon, USA, May 18-19 2009.
 Luisa Schipilliti, Giorgia Purcaro, Lanfranco Conte, Paola Dugo, Luigi Mondello
 “Quality and genuineness assignment of mandarin essential oils through chromatography/combustion/ isotope ratio mass spectrometry”.
Comunicazione Poster
- 498** 33rd International Symposium on Capillary Chromatography & Electrophoresis, Portland, Oregon, USA, May 19-21 2009.
Paola Donato, Francesco Cacciola, Paola Dugo, Giovanni Dugo, Luigi Mondello.
 “Comprehensive two-dimensional (RPLC X RPLC) separation of peptides on a set of totally porous and shell-packed columns”.
Comunicazione Poster
- 499** 33rd International Symposium on Capillary Chromatography & Electrophoresis, Portland, Oregon, USA, May 19-21 2009.
Luigi Mondello, Rosaria Costa, Maria R. De Fina, Maria R. Valentino, Paola Dugo, Giovanni Dugo.
 “Synergistic combination of quantitative GC-FID and innovative GC-MS analysis for the characterization of some citrus products”.
Comunicazione Poster (33)
- 500** 33rd International Symposium on Capillary Chromatography & Electrophoresis, Portland, Oregon, USA, May 19-21 2009.
Luigi Mondello, Paola Dugo, Paola Donato
 “Comprehensive LCXLC coupled to mass spectrometry for reliable identification of complex molecules”.
Comunicazione Orale ad Invito (143)
- 501** 33rd International Symposium on Capillary Chromatography & Electrophoresis, Portland, Oregon, USA, May 19-21 2009.
Peter Quinto Tranchida, Giorgia Purcaro, Lanfranco Conte, Giovanni Dugo and Luigi Mondello
 “Higher resolution comprehensive two-dimensional gas chromatography”.
Comunicazione Orale

- 502** 33rd International Symposium on Capillary Chromatography & Electrophoresis, Portland, Oregon, USA, May 19-21 2009.
Danilo Sciarrone, Peter Quinto Tranchida, Paola Dugo, Giovanni Dugo and Luigi Mondello
“Determination of ethers and alcohols in gasolines by multidimensional gas chromatography coupled to mass spectrometry detection”.
Comunicazione Poster
- 503** CHEMIFOR, Roma Eur 28-30 maggio 2009.
Paola Dugo, Giovanni Dugo, Luigi Mondello
“Il ruolo delle tecniche analitiche avanzate nell’analisi degli alimenti”
Comunicazione Orale a Invito
- 504** NATO-ARW Workshop – Detection of Biological Agents for the Prevention of Bioterrorism, Spezzano Terme (CS), June 26 to July 2, 2009
Luigi Mondello, Peter Quinto Tranchida, Giorgia Purcaro, Erminia La Camera, Giuseppe Bisignano
“Identification of Cellular Lipid Fraction of Bacteria by GCxGC/MS using an Innovative MS Library with the use of Linear Retention Indices”
Comunicazione Orale ad Invito (144)
- 505** HPLC 2009 – 34th International Symposium on High-Performance Liquid Phase Separations and Related Techniques, Germany June 28 – July 2 2009
Paola Dugo, Paola Donato, Francesco Cacciola, Luigi Mondello
“Approaches to Obtain High Peak Capacity HPLC Separation of Real Samples”
Comunicazione Orale a Invito
- 506** HPLC 2009 – 34th International Symposium on High-Performance Liquid Phase Separations and Related Techniques, Germany June 28 – July 2 2009
Francesco Cacciola, Assis Jacques R, Paola Donato, Bastos Caramao E, Paola Dugo, Luigi Mondello
“Employment of Comprehensive Two-dimensional Liquid Chromatography for the Analysis of Mate Extracts (*Ilex paraguariensis*)”
Comunicazione Poster
- 507** HPLC 2009 – 34th International Symposium on High-Performance Liquid Phase Separations and Related Techniques, Germany June 28 – July 2 2009
Paola Donato, Francesco Cacciola, Paola Dugo, Luigi Mondello
“Exploiting the Feasibility and Capability of Different RPxRP Modes for the Separation of Peptides and Proteins”
Comunicazione Poster
- 508** XXIII Congresso Nazionale della Chimica Italiana – L’energia chimica muove la vita, Sorrento 5-10 luglio 2009-07-2009
Luigi Mondello, Paola Dugo, Giovanni Dugo
“Comprehensive Chromatography (GCxGC, LCxLC) coupled to Mass Spectrometry for the Analysis of Complex Matrices”
Comunicazione Poster (34)

- 509** 40th International Symposium on Essential Oils, ISEO 2009 Savigliano, Italy, September 6-9, 2009
Luigi Mondello, Giovanni Dugo
 “Higher Resolution Comprehensive Two-dimensional Gas Chromatography applied to the Analysis of Essential Oils
Comunicazione Orale (24)
- 510** 40th International Symposium on Essential Oils, ISEO 2009 Savigliano, Italy, September 6-9, 2009
Rosaria Costa, Paola Dugo, Giovanni Dugo, Luigi Mondello
 “A thorough analysis of the chemical composition of treated bergamot oil (Citrus bergamia)”
Comunicazione Orale
- 511** 40th International Symposium on Essential Oils, ISEO 2009 Savigliano, Italy, September 6-9, 2009
Susanne Böhme, Hans-Ulrich Baier, Luigi Mondello
 “Flavour & Fragrance analysis: easy heart cut MDGC with mass spectrometric detection in 1st and 2nd Dimension”
Comunicazione Orale
- 512** 40th International Symposium on Essential Oils, ISEO 2009 Savigliano, Italy, September 6-9, 2009
 Marina Russo, Caterina Carnovale, Anna Piperno, Giovanni Dugo, Luigi Mondello, Paola Dugo
 “Detemination of oxygen heterocyclic components in citrus products by HPLC with UV detection”
 Comunicazione Poster
- 513** 40th International Symposium on Essential Oils, ISEO 2009 Savigliano, Italy, September 6-9, 2009
Luisa Schipilliti, Danilo Sciarrone, Marina Russo, Paola Dugo, Giovanni Dugo, Luigi Mondello
 “Genuineness assessment of mandarin essential oils employing stable, isotope ratio analysis (SIRA)”
Comunicazione Poster
- 514** 40th International Symposium on Essential Oils, ISEO 2009 Savigliano, Italy, September 6-9, 2009
Danilo Sciarrone, Luisa Schipilliti, Paola Dugo, Giovanni Dugo, Luigi Mondello
 “A comparison Of Conventional And Multidimensional Gas Chromatography Methodologies In The Analysis Of Volatile Chiral Compounds In Mandarin Essential Oil”
Comunicazione Poster
- 515** 40th International Symposium on Essential Oils, ISEO 2009 Savigliano, Italy, September 6-9, 2009
Rosaria Costa, Francesca Marotta, Francesco Pizzimenti, Paola Dugo, Giovanni Dugo, Luigi Mondello

“Volatile constituents and antimicrobial activity of *Leptospermum scoparium* J.R. et G. Forst from New Zealand, *Ravensara aromatica* Sonn. and *Cinnamomum camphora* (L.) J. Presl. from Madagascar”
Comunicazione Poster

- 516** NU.TRI.SCI. 2009, Novara, 21 settembre – 2 ottobre 2009
Paola Dugo, Luigi Mondello
“Comprehensive two-Dimensional Liquid Chromatography (LCxLC): Instrumentation, Method Optimization and Applications”
Comunicazione Orale a Invito
- 517** The 24th MSB 2009, Dalian, China, October 19-22, 2009
Luigi Mondello, Paola Dugo
“Multidimensional two-dimensional liquid chromatography coupled to an hybrid MS (LCxLC/IT-TOF) in the determination of complex samples”
Comunicazione Orale ad Invito (145)
- 518** The 13th Beijing Conference and Exhibition on Instrumental Analysis, BCEIA 2009, Beijing China, November 25-28 2009
Luigi Mondello
“Comprehensive LC coupled to IT-TOF mass spectrometry (LCxLC/MS(IT-TOF) exact molecules confirmation using MS/MS experiments”
Comunicazione Orale ad Invito (146)
- 519** Eleventh International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers (HTC-11) Bruges, Belgium, January 30th - 29th 2010
Peter Quinto Tranchida, Luigi Mondello
Comprehensive two-dimensional Separation for food Analysis
Comunicazione Orale a Invito
- 520** Eleventh International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers (HTC-11) Bruges, Belgium, January 30th - 29th 2010
Luigi Mondello
Hyphenated Techniques in food Analysis
Comunicazione Orale ad Invito (147)
- 521** Eleventh International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers (HTC-11) Bruges, Belgium, January 30th - 29th 2010
Paola Dugo, Paola Donato, Francesco Cacciola, Luigi Mondello
LCxLC in Food Analysis
Comunicazione Orale a Invito
- 522** Eleventh International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analyzers (HTC-11) Bruges, Belgium, January 30th - 29th 2010
Giorgia Purcaro, Peter Quinto Tranchida, Lanfranco Conte, Paola Dugo, Giovanni Dugo, Luigi Mondello

Characterization of Bacterial lipid profiles by using rapid sample preparation and fast comprehensive two-dimensional gas chromatography in combination with mass spectrometry
Comunicazione Orale a Invito

- 523** Albertov Comprehensive Days 2010, Charles University, Prague, February 23rd - 24th, 2010
Peter Quinto Tranchida and Luigi Mondello
Comprehensive GC and GCMS - applications part I, II, III
Comunicazione Orale a Invito
- 524** Advances in Chromatography and Electrophoresis & Chiranal 2010 Olomouc, February, 8-11, 2010
Salvatore Fanali, Anna Rocco, Paola Dugo, Chiara Fanali, Luigi Mondello
Nano-Liquid Chromatography: a very promising and useful tool in food analysis
Comunicazione Orale a Invito
- 525** Erbe Medicinali: dalla ricerca di base alla clinica Messina, 29-30 Aprile 2010
Costa Rosaria, Dugo Paola, Dugo Giovanni, Mondello Luigi
Advanced GC Techniques applied to the analysis of medicinal plant extracts
Comunicazione Orale a Invito
- 526** 34th International Symposium on Capillary Chromatography, and 7th GCxGC Symposium
Riva del Garda, Italy, May 30-June 4, 2010
Carla Ragone, Paola Dugo, Leonard M. Sidisky, Mark V. Robillard, Luigi Mondello
A new ionic liquid stationary phase for gas chromatography: preliminary evaluation and applications
Comunicazione Poster
- 527** 34th International Symposium on Capillary Chromatography, and 7th GCxGC Symposium
Riva del Garda, Italy, May 30-June 4, 2010
Rosaria Costa, Paola Dugo, Giovanni Dugo, Luigi Mondello
Headspace enrichment of bergamot and mandarin juices by means of monolithic material sorptive extraction (MMSE)
Comunicazione Poster
- 528** 34th International Symposium on Capillary Chromatography, and 7th GCxGC Symposium
Riva del Garda, Italy, May 30-June 4, 2010
Danilo Sciarrone, Peter Quinto Tranchida, Paola Dugo, Giovanni Dugo, Luigi Mondello
Quality assessment of sandalwood essential oil by means of a multidimensional gas chromatographic system with 2D FID and QMS simultaneous detection
Comunicazione Poster

- 529** 34th International Symposium on Capillary Chromatography, and 7th GCxGC Symposium
Riva del Garda, Italy, May 30-June 4, 2010
Luisa Schipilliti, Danilo Sciarrone, Paola Dugo, Giovanni Dugo, Luigi Mondello
Authenticity control on lemon essential oils employing gas chromatography-combustion –isotope ratio mass spectrometry (GC-C-IRMS)
Comunicazione Poster
- 530** 34th International Symposium on Capillary Chromatography, and 7th GCxGC Symposium
Riva del Garda, Italy, May 30-June 4, 2010
Giorgia Purcaro, Maria Scandinaro, Peter Quinto Tranchida, Lanfranco Conte, Paola Dugo, Giovanni Dugo, Luigi Mondello
Analysis of packaging-derived compounds in chewing gum by using solid–phase microextraction –comprehensive 2D gas chromatography-quadruple mass spectrometry
Comunicazione Poster
- 531** 34th International Symposium on Capillary Chromatography, and 7th GCxGC Symposium
Riva del Garda, Italy, May 30-June 4, 2010
Peter Quinto Tranchida, Giorgia Purcaro, Lanfranco Conte, Paola Dugo, Giovanni Dugo, Luigi Mondello
Continuous – cutting VS. comprehensive two – dimensional gas chromatography: a comparative study
Comunicazione Poster
- 532** 34th International Symposium on Capillary Chromatography, and 7th GCxGC Symposium
Riva del Garda, Italy, May 30-June 4, 2010
Paola Donato, Eduardo Maria Sommella, Paola Dugo, Pietro Campiglia, Ettore Novellino, Luigi Mondello
Comprehensive 2D-LCxLC-MS/MS for shotgun proteomics
Comunicazione Poster
- 533** 34th International Symposium on Capillary Chromatography, and 7th GCxGC Symposium
Riva del Garda, Italy, May 30-June 4, 2010
Paola Donato, Marco Beccaria, Paola Dugo, Giovanni Dugo, Luigi Mondello
Determination of triacylglycerides in edible oils employing a comprehensive LCXLC system coupled to elsd and MS detectors
Comunicazione Poster
- 534** 34th International Symposium on Capillary Chromatography, and 7th GCxGC Symposium
Riva del Garda, Italy, May 30-June 4, 2010

- Paola Dugo, Marina Russo, Germana Torre, Giovanni Dugo, Luigi Mondello
Development of a comprehensive two-dimensional liquid chromatography method for determination of flavonoids in Citrus juices
Comunicazione Poster
- 535** 34th International Symposium on Capillary Chromatography, and 7th GCxGC Symposium
Riva del Garda, Italy, May 30-June 4, 2010
Luigi Mondello, Ivana Bonaccorsi, Carla Ragonese, Marina Russo, Paola Donato, Paola Dugo, Giovanni Dugo
Characterization of Mandarin (Citrus deliciosa Ten.) essential oil by GC, GC/MS, ESMDGC, RP-HPLC/PDA and LCMS-IT-TOF
Comunicazione Poster (35)
- 536** 34th International Symposium on Capillary Chromatography, and 7th GCxGC Symposium
Riva del Garda, Italy, May 30-June 4, 2010
Giorgia Purcaro, Peter Quinto Tranchida, Paola Dugo, Giovanni Dugo, Luigi Mondello
Extending the realm of qualification and quantification in comprehensive two – dimensional gas chromatography to quadruple mass spectrometry
Comunicazione Orale
- 537** 34th International Symposium on Capillary Chromatography, and 7th GCxGC Symposium
Riva del Garda, Italy, May 30-June 4, 2010
Luigi Mondello, Giorgia Purcaro, Peter Quinto Tranchida, Paola Dugo, Giovanni Dugo
New frontier in ultra fast-GC/MS. Rapid quadrupole technology (20000 AMU/S) for qualitative and quantitative analysis
Comunicazione Orale (25)
- 538** 34th International Symposium on Capillary Chromatography, and 7th GCxGC Symposium
Riva del Garda, Italy, May 30-June 4, 2010
Paola Dugo, Paola Donato, Francesco Cacciola, Giovanni Dugo, Luigi Mondello
Recent developments in comprehensive LC
Comunicazione Orale a Invito
- 539** 34th International Symposium on Capillary Chromatography, and 7th GCxGC Symposium
Riva del Garda, Italy, May 30-June 4, 2010
Peter Quinto Tranchida, Giorgia Purcaro, Paola Dugo, Giovanni Dugo, Peter Dawes, Luigi Mondello
Development of a flexible chip-based pneumatic modulator for comprehensive two-dimensional gas chromatography
Comunicazione Orale

- 540** HPLC 2010 – 35th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Boston, MA USA June 19 –24, 2010
Paola Dugo, Paola Donato, Francesco Cacciola, Giovanni Dugo, Luigi Mondello
 Recent Developments in Comprehensive LC
Comunicazione Orale a Invito
- 541** HPLC 2010 – 35th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Boston, MA USA June 19 –24, 2010
Francesco Cacciola, Pierluigi Delmonte, Karolina Jaworska, Luigi Mondello, Jeanne Rader
 Employment of an Ortogonal Normal Phase x Reversed Phase System for the Characterizatio of Stevia Rebaudiana
Comunicazione Poster
- 542** HPLC 2010 – 35th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Boston, MA USA June 19 –24, 2010
Paola Dugo, Paola Donato, Eduardo Maria Sommella, Pietro Campiglia, Ettore Novellino, Luigi Mondello
 Proteomic Analysis by Comprehensive 2D-LC
Comunicazione Poster
- 543** HPLC 2010 – 35th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Boston, MA USA June 19 –24, 2010
 Tatsunari Yoshida, Ken-ichiro Tanaka, Tsutomu Nishine, Hirohisa Mikami, Paola Dugo, Luigi Mondello
 Analysis of Panax Ginseng by Comprehensive Rwo-dimensional Ultra Fast Liquid Chromatography
Comunicazione Poster
- 544** HPLC 2010 – 35th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Boston, MA USA June 19 –24, 2010
Paola Dugo, Marina Russo, Marco Beccaria, Germana Torre, Luigi Mondello
 Comprehensive Two-dimensional Liquid Chromatography for the Analysis of Natural Matrices
Comunicazione Poster
- 545** Pigments in Food –Chemical, Biological and Technological Aspects of the 6th International Congress
 June 20-24, 2010 Budapest, Hungary
Daniele Giuffrida, Paola Dugo, Paola Donato, Giacomo Dugo, Luigi Mondello
 Applications of Comprehensive (LCxLC) liquid chromatography in the analyses of various pigments in different natural matrices
Comunicazione Orale

- 546** 41th International Symposium on Essential Oils, ISEO 2010 Wroclaw, Poland, September 5-8, 2010
Danilo Sciarrone, Giorgia Purcaro, Peter Quinto Tranchida, Carla Ragonese, Paola Dugo, Giovanni Dugo, Luigi Mondello
 Advanced Gas Chromatographic Techniques for the Quali-Quantitative Analysis of Essential Oils: Fast GC-qMS (20,000 a.m.u./sec) and Multidimensional MDGC-qMS
Comunicazione Orale
- 547** 41th International Symposium on Essential Oils, ISEO 2010 Wroclaw, Poland, September 5-8, 2010
 Luisa Schipilliti, Carla Ragonese, Paola Dugo, Luigi Mondello
 Authentication of begamot essential oil by Gas-Chromatography-Combustion-Isotope Ratio Mass Spectrometer (GC-C-IRMS)
Comunicazione Poster
- 548** 41th International Symposium on Essential Oils, ISEO 2010 Wroclaw, Poland, September 5-8, 2010
 Caterina Carnovale, Marina Russo, Paola Dugo, Anna Piperno, Danilo Sciarrone, Giovanni Dugo, Luigi Mondello
 Cellulosic-based liquid chromatographic enantiomeric separation for determination of coumarins in *Citrus* essential oils
Comunicazione Poster
- 549** 41th International Symposium on Essential Oils, ISEO 2010 Wroclaw, Poland, September 5-8, 2010
Carla Ragonese, Danilo Sciarrone, Luigi Mondello
 Conventional and Fast Gas Chromatography Analysis Of Essential Oils Using An Ionic Liquid Stationary Phase
Comunicazione Poster
- 550** 16th International Symposium on Separation Science, ISSS 2010 Roma, Italy, September 6-9, 2010
Luigi Mondello, Peter Quinto Tranchida, Giorgia Purcaro, Paola Dugo, Giovanni Dugo, Peter Dawes
 A Novel Chip-Based Flow Modulator for Comprehensive Two-Dimensional Gas Chromatography
Comunicazione Orale a Invito (26)
- 551** 16th International Symposium on Separation Science, ISSS 2010 Roma, Italy, September 6-9, 2010
Paola Dugo, Paola Donato, Giovanni Dugo, Luigi Mondello
 Comprehensive LC Analysis of Real Samples
Comunicazione Orale a Invito
- 552** 16th International Symposium on Separation Science, ISSS 2010 Roma, Italy, September 6-9, 2010
Giorgia Purcaro, Peter Quinto Tranchida, Lanfranco Conte, Paola Dugo, Giovanni Dugo, Luigi Mondello

Potential of Very fast Quadruple Mass Spectrometry (20000amu/sec) for Analysis of Perfume Allergens Using Comprehensive Two-Dimensional Gas Chromatography
Comunicazione Orale

- 553** 6th European Conference on Pesticides and related Organic Micropollutants in the Environment, Matera, September 5-10, 2010
Luigi Mondello, Peter Quinto Tranchida
Reliable identification of pesticides in complex mixture exploiting comprehensive 2D GC-MS with the interactive use of linear retention indices during the MS library search process
Comunicazione Poster
- 554** XXII Convegno Nazionale della Divisione di Chimica Analitica della Società Chimica Italiana, Como, 12-16 Settembre 2010
Peter Quinto Tranchida, Giorgia Purcaro, Lanfranco Conte, Paola Dugo, Giovanni Dugo, Luigi Mondello
Extending the realm of qualification and quantification in comprehensive two-dimensional gas chromatography to quadrupole mass spectrometry
Comunicazione Poster
- 555** 28th International Symposium on Chromatography, ISC 2010 Valencia, Spain, September 12-16, 2010
Giorgia Purcaro, Peter Quinto Tranchida, Paola Dugo, Giovanni Dugo, Luigi Mondello
Potential of Comprehensive two Dimensional Gas Chromatography Coupled to a Very Fast Quadrupole Mass Spectrometer (20000 AMU/SEC)
Comunicazione Orale
- 556** 12th International Symposium on Advances in Extraction Technologies, ExTech 2010, Poznan, Poland September 20-22, 2010
Luigi Mondello
SPME-GCxGC/MS Analysis of Roasted Coffee Beans using an innovative MS search with the use of Linear Retention indices.
Comunicazione Orale (27)
- 557** VIII Congresso Nazionale di Chimica degli Alimenti – Qualità e Tipicità degli Alimenti Mediterranei: Alimentazione e Salute, Marsala, Trapani, 20-24 Settembre 2010
Paola Dugo, Paola Donato, Giovanni Dugo, Luigi Mondello
Potenzialità della LCxLC accoppiata al rilevatore di massa per l'analisi di matrici alimentari.
Comunicazione Orale a Invito
- 558** VIII Congresso Nazionale di Chimica degli Alimenti – Qualità e Tipicità degli Alimenti Mediterranei: Alimentazione e Salute, Marsala, Trapani, 20-24 Settembre 2010
Daniele Giuffrida, Paola Dugo, Luigi Mondello, Giacomo Dugo
Carotenoidi in matrici naturali e loro prodotti: aspetti funzionali, compositivi e analitici
Comunicazione Orale a Invito

- 559** VIII Congresso Nazionale di Chimica degli Alimenti – Qualità e Tipicità degli Alimenti Mediterranei: Alimentazione e Salute, Marsala, Trapani, 20-24 Settembre 2010
Peter Quinto Tranchida, Giorgia Purcaro, Paola Dugo, Giovanni Dugo, Peter Dawes, Luigi Mondello
 Sviluppo di un modulatore pneumatico versatile basato su un chip per gas cromatografia multidimensionale comprehensive di matrici alimentari
Comunicazione Orale
- 560** VIII Congresso Nazionale di Chimica degli Alimenti – Qualità e Tipicità degli Alimenti Mediterranei: Alimentazione e Salute, Marsala, Trapani, 20-24 Settembre 2010
Danilo Sciarrone, Carla Ragonese, Paola Dugo, Giovanni Dugo, Luigi Mondello
 Identificazione e quantificazione di additivi negli alimenti mediante gas cromatografia multidimensionale con simultanea rivelazione 2D a spettrometria di massa e ionizzazione di fiamma
Comunicazione Orale
- 561** VIII Congresso Nazionale di Chimica degli Alimenti – Qualità e Tipicità degli Alimenti Mediterranei: Alimentazione e Salute, Marsala, Trapani, 20-24 Settembre 2010
Filomena Cichello, Marina Russo, Anna Piperno, Paola Dugo, Luigi Mondello
 Analisi della frazione fosfolipidica in matrici alimentari tramite HPLC accoppiata con ESI-MS/ELSD
 Comunicazione Poster
- 562** VIII Congresso Nazionale di Chimica degli Alimenti – Qualità e Tipicità degli Alimenti Mediterranei: Alimentazione e Salute, Marsala, Trapani, 20-24 Settembre 2010
Chiara Fanali, Laura Dugo, Giovanni D'Orazio, Melania Lirangi, Marina Dachà, Paola Dugo, Luigi Mondello
 Analisi di antocianine in frutta fresca e succhi di frutta commerciali attraverso metodiche di HPLC-UV/VNANO-LC-ESI-MS
 Comunicazione Poster
- 563** VIII Congresso Nazionale di Chimica degli Alimenti – Qualità e Tipicità degli Alimenti Mediterranei: Alimentazione e Salute, Marsala, Trapani, 20-24 Settembre 2010
Marina Russo, Caterina Carnovale, Paola Donato, Paola Dugo, Giovanni Dugo, Luigi Mondello
 Determinazione del contenuto di composti eterociclici ossigenati in derivati agrumari
 Comunicazione Poster
- 564** VIII Congresso Nazionale di Chimica degli Alimenti – Qualità e Tipicità degli Alimenti Mediterranei: Alimentazione e Salute, Marsala, Trapani, 20-24 Settembre 2010
Paola Dugo, Daniele Giuffrida, Germana Torre, Luigi Mondello

Applicazione della cromatografia liquida comprehensive (LCxLC) alla separazione di clorofille e carotenoidi in matrici vegetali e loro prodotti
Comunicazione Poster

- 565** VIII Congresso Nazionale di Chimica degli Alimenti – Qualità e Tipicità degli Alimenti Mediterranei: Alimentazione e Salute, Marsala, Trapani, 20-24 Settembre 2010
Ivana Bonaccosi, Paola Dugo, Maria Restuccia, Alessandra Trozzi, Luigi Mondello, Antonella Cotroneo, Giovanni Dugo
Caratterizzazione della frazione volatile di oli essenziali di diverse specie di *citrus* mediante GC e GC/MS e determinazione dei rapporti enantiomerici mediante enantiomdg ed enantiomdgc
Comunicazione Poster
- 566** VIII Congresso Nazionale di Chimica degli Alimenti – Qualità e Tipicità degli Alimenti Mediterranei: Alimentazione e Salute, Marsala, Trapani, 20-24 Settembre 2010
Laura Dugo, Chiara Fanali, Melania Lirangi, Marina Dachà, Paola Dugo, Luigi Mondello
Caratterizzazione dell'olio di semi di *sacha inchi* (*PLUKENETIA VOLUBILIS L.*) attraverso tecniche cromatografiche
Comunicazione Poster
- 567** VIII Congresso Nazionale di Chimica degli Alimenti – Qualità e Tipicità degli Alimenti Mediterranei: Alimentazione e Salute, Marsala, Trapani, 20-24 Settembre 2010
Carla Ragonese, Danilo Sciarrone, Paola Dugo, Giovanni Dugo, Luigi Mondello
Valutazione di una nuova fase stazionaria a liquidi ionici per gas cromatografia ed applicazione all'analisi di oli essenziali
Comunicazione Poster
- 568** VIII Congresso Nazionale di Chimica degli Alimenti – Qualità e Tipicità degli Alimenti Mediterranei: Alimentazione e Salute, Marsala, Trapani, 20-24 Settembre 2010
Giorgia Purcaro, Peter Quinto Tranchida, Lanfranco Conte, Paola Dugo, Giovanni Dugo, Luigi Mondello
Potenzialità della GC X GC accoppiata a qMS detector a rapida scansione per l'analisi degli alimenti
Comunicazione Poster
- 569** VIII Congresso Nazionale di Chimica degli Alimenti – Qualità e Tipicità degli Alimenti Mediterranei: Alimentazione e Salute, Marsala, Trapani, 20-24 Settembre 2010
Paola Donato, Eduardo Maria Sommella, Pietro Campiglia, Ettore Novellino, Luigi Mondello
Utilizzo della metodica comprehensive 2D-LCxLC-MS/MS in studi di proteomica
Comunicazione Poster

- 570** VIII Congresso Nazionale di Chimica degli Alimenti – Qualità e Tipicità degli Alimenti Mediterranei: Alimentazione e Salute, Marsala, Trapani, 20-24 Settembre 2010
Marco Beccaria, Paola Dugo, Giovanni Dugo, Luigi Mondello
 Analisi di triacilgliceroli (TAG) in oli ad uso alimentare mediante un sistema LC X LC accoppiato ad uno spettrometro di massa e ad un light scattering utilizzati come rilevatori
 Comunicazione Poster
- 571** VIII Congresso Nazionale di Chimica degli Alimenti – Qualità e Tipicità degli Alimenti Mediterranei: Alimentazione e Salute, Marsala, Trapani, 20-24 Settembre 2010
Luisa Schipilliti, Paola Dugo, Luigi Mondello, Giovanni Dugo
 Determinazione del rapporto isotopico stabile del carbonio, mediante GC-C-IRMS, per il controllo dell'autenticità degli oli essenziali di origine agrumaria
 Comunicazione Poster
- 572** International PSE Symposium on: Terpenes-Application, Activity & Analysis, Istanbul, Turkey, 26-29 September 2010
Luigi Mondello
 Comprehensive GC (GCxGC) Coupled to MS for the Reliable Identification of Terpenes and related Compounds
Comunicazione Orale ad Invito (148)
- 573** International PSE Symposium on: Terpenes-Application, Activity & Analysis, Istanbul, Turkey, 26-29 September 2010
 Laura Tedone, Danilo Sciarrone, Paola Dugo, Giovanni Dugo, Luigi Mondello
 Reliable Identification of the Volatile Components of Sage Oil using Mass Spectrometry Library Search together with Linear Retention Indices
 Comunicazione Poster
- 574** International Chemical Congress of Pacific Basin Societies, Honolulu, Hawaii, December 15-20 2010
 Luigi Mondello, Peter Quinto Tranchida, Giorgia Purcaro, Paola Dugo, Giovanni Dugo
 Comprehensive chromatography (GCxGC and LCxLC) for the analysis of complex samples
 Comunicazione Orale a Invito
- 575** Albertov Comprehensive Days 2011, Charles University, Prague, February 8-9, 2011
Peter Tranchida and Luigi Mondello
 Comprehensive two-dimensional gas chromatography: principles, optimization aspects and applications (part I, II)
Comunicazione Orale a Invito
- 576** L'innovazione cromatografica Supelco per il settore farmaceutico e biofarmaceutico: HPLC, HPLC chirale e preparazione del campione. Pomezia, RM, 23 febbraio 2011.

Paola Donato, Francesco Cacciola, Paola Dugo, Luigi Mondello
Tecniche cromatografiche avanzate nell'analisi del proteoma
Comunicazione Orale a invito

- 577** Pittcon 2011 Conference & Expo, Atlanta (USA), March 13-18, 2011
Luigi Mondello
A Novel Chip-Based Flow Modulator for Comprehensive Two-dimensional Gas Chromatography
Comunicazione Orale (29)
- 578** Pittcon 2011 Conference & Expo, Atlanta (USA), March 13-18, 2011
Luigi Mondello, Paola Dugo, Paola Donato.
Comprehensive LC of real complex samples
Comunicazione Poster
- 579** Pittcon 2011 Conference & Expo, Atlanta (USA), March 13-18, 2011
Luigi Mondello, P.Q. Tranchida, G. Purcaro.
Potential of comprehensive two-dimensional gas chromatography coupled to a very fast quadrupole mass spectrometer (20,000 amu/sec)
Comunicazione Poster
- 580** Pittcon 2011 Conference & Expo, Atlanta (USA), March 13-18, 2011
Ken-Ichiro T., Tatsunari Y., Tsutomu N., Hiroshisa M., Mondello L., Dugo P.
Analysis of panax ginseng by comprehensive two-dimensional ultra high performance liquid chromatography
Comunicazione Poster
- 581** Shimadzu seminar, Grasse (France), March 24, 2011.
Luigi Mondello
Multidimensional and comprehensive chromatography coupled to mass spectrometry for flavour and fragrance analysis
Comunicazione Orale ad Invito (149)
- 582** CIPAM 2011, 3rd International Congress on Aromatic and Medicinal Plants, Cagliari, Italy, April 13-15, 2011
L. Tedone, R. Costa, D. Sciarrone, I. Bonaccorsi, P. Dugo, G. Dugo, S. Ragusa, L. Mondello
Reliable identification of volatiles by simultaneous search of linear retention indices (LRIs) and mass spectra similarity
Comunicazione Orale
- 583** CIPAM 2011, 3rd International Congress on Aromatic and Medicinal Plants, Cagliari, Italy, April 13-15, 2011
L. Mondello, P. Donato, F. Cacciola, P. Dugo, G. Dugo.
Advanced chromatography techniques for the study of medicinal plants and derived products
Comunicazione Orale (28)
- 584** Incontri di Scienza delle Separazioni – Il contributo della Scienza delle Separazioni alle problematiche ambientali, Torino, 4-5 Maggio 2011

Francesco Cacciola, Giorgia Purcaro, Peter Quinto Tranchida, Paola Dugo, Luigi Mondello

Utilizzo di uno spettrometro di massa ad analizzatore quadrupolare di ultima generazione in combinazione con la gascromatografia bi-dimensionale “comprehensive” per l’analisi di pesticidi in acque potabili
Comunicazione Orale

- 585** Incontri di Scienza delle Separazioni – Il contributo della Scienza delle Separazioni alle problematiche ambientali, Torino, 4-5 Maggio 2011
Mariosimone Zoccali, Danilo Sciarrone, Peter Quinto Tranchida, Luigi Mondello

Analisi di diesel mediante un approccio “off-line” LC-GC×GC in combinazione con uno spettrometro di massa ad analizzatore quadrupolare a rapida scansione
Comunicazione Orale

- 586** Joint Congress 2011 – 35th International Symposium on Capillary Chromatography, 26th International Symposium on Microscale Bioseparations, 8th GCxGC symposium, May 1-5, San Diego, California (USA)

F. Cacciola, P. Donato, G. Torre, P. Dugo, L. Mondello

Carotenoid profiling in complex matrices by one-dimensional and comprehensive two-dimensional LC/PDA/APCI-MS
Comunicazione Poster

- 587** Joint Congress 2011 – 35th International Symposium on Capillary Chromatography, 26th International Symposium on Microscale Bioseparations, 8th GCxGC symposium, May 1-5, San Diego, California (USA)

L. Mondello, P. Donato, F. Cacciola, P. Dugo

Comprehensive liquid chromatography in combination with mass spectrometry: instrumental approaches and applications
Comunicazione Orale (30)

- 588** Joint Congress 2011 – 35th International Symposium on Capillary Chromatography, 26th International Symposium on Microscale Bioseparations, 8th GCxGC symposium, May 1-5, San Diego, California (USA)

G. Purcaro, P.Q. Tranchida, M. Zoccali, S. Moret, L. Conte, P. Dugo, L. Mondello

A rapid screening method for the detection of low levels of mineral oil in vegetable oils using comprehensive 2D GC
Comunicazione Orale

- 589** Joint Congress 2011 – 35th International Symposium on Capillary Chromatography, 26th International Symposium on Microscale Bioseparations, 8th GCxGC symposium, May 1-5, San Diego, California (USA)

P.Q. Tranchida, M. Zoccali, G. Purcaro, S. Moret, L. Conte, P. Dugo, L. Mondello

A rapid and sensitive LC/GC (LCxGC) method for the determination of hydrocarbon contamination in vegetable oils

Comunicazione Orale

- 590** Joint Congress 2011 – 35th International Symposium on Capillary Chromatography, 26th International Symposium on Microscale Bioseparations, 8th GCxGC symposium, May 1-5, San Diego, California (USA)

I. Bonaccorsi, L. Schipilliti, P. Dugo, G. Dugo, L. Mondello

Head space-solid phase microextraction (HS-SPME) coupled to gas chromatography-combustion-isotope ratio mass spectrometer (GC-C-IRMS) for strawberry flavoured food quality control

Comunicazione Poster

- 591** Joint Congress 2011 – 35th International Symposium on Capillary Chromatography, 26th International Symposium on Microscale Bioseparations, 8th GCxGC symposium, May 1-5, San Diego, California (USA)

I. Bonaccorsi, L. Schipilliti, D. Sciarrone, P. Dugo, G. Dugo, L. Mondello

Multidimensional enantio-GC and GC-C-IRMS for the authenticity assessment of Citrus essential oils

Comunicazione Poster

- 592** Joint Congress 2011 – 35th International Symposium on Capillary Chromatography, 26th International Symposium on Microscale Bioseparations, 8th GCxGC symposium, May 1-5, San Diego, California (USA)

D. Sciarrone, S. Pantò, P. Dugo, G. Dugo, L. Mondello

Enhanced terpene collection exploiting a multidimensional GC-prep system

Comunicazione Poster

- 593** Joint Congress 2011 – 35th International Symposium on Capillary Chromatography, 26th International Symposium on Microscale Bioseparations, 8th GCxGC symposium, May 1-5, San Diego, California (USA)

P. Donato, F. Cacciola, E.M. Sommella, P. Dugo, L. Mondello

Column-coupling vs. comprehensive LC/MS approaches towards

Comunicazione Poster (36)

- 594** Joint Congress 2011 – 35th International Symposium on Capillary Chromatography, 26th International Symposium on Microscale Bioseparations, 8th GCxGC symposium, May 1-5, San Diego, California (USA)

G. Purcaro, F. Franchina, P.Q. Tranchida, P. Dugo, L. Mondello

Comprehensive two-dimensional gas chromatography combined with very fast quadrupole mass spectrometry for the analysis of water pesticides

Comunicazione Poster

- 595** Joint Congress 2011 – 35th International Symposium on Capillary Chromatography, 26th International Symposium on Microscale

- Bioseparations, 8th GCxGC symposium, May 1-5, San Diego, California (USA)
P.Q. Tranchida, G. Purcaro, F. Franchina, P. Dugo, L. Mondello
 A simple method to calculate second-dimension retention indices in comprehensive 2D GC
Comunicazione Poster
- 596** Alimed 2011 – Alimentazione Mediterranea, qualità, sicurezza e salute, 22-25 Maggio 2011, Palermo
Daniele Giuffrida, Paola Dugo, Giacomo Dugo, Francesco Salvo, Luigi Mondello
 Carotenoids in natural matrices and their derived products: functional, compositional and analytical aspects
Comunicazione Orale
- 597** Alimed 2011 – Alimentazione Mediterranea, qualità, sicurezza e salute, 22-25 Maggio 2011, Palermo
Daniilo Sciarrone, Peter Quinto Tranchida, Paola Dugo, Giovanni Dugo, Luigi Mondello
 Determinazione rapida ed altamente sensibile della contaminazione da idrocarburi in oli vegetali mediante un metodo LC/GC
Comunicazione Orale
- 598** Alimed 2011 – Alimentazione Mediterranea, qualità, sicurezza e salute, 22-25 Maggio 2011, Palermo
L. Schipilliti, I. Bonaccorsi, P. Dugo, L. Mondello
 Gas chromatography-combustion-isotope ratio mass spectrometer (GC-C-IRMS) for food quality control
Comunicazione Orale
- 599** Alimed 2011 – Alimentazione Mediterranea, qualità, sicurezza e salute, 22-25 Maggio 2011, Palermo
P. Dugo, P. Donato, F. Cacciola, G. Dugo, L. Mondello
 Innovative analytical techniques in food research
Comunicazione Plenaria a Invito
- 600** Sigma-Aldrich seminar, Sample preparation and analysis of food and beverages, Praga, Czech Republic, June 1, 2011.
Paola Donato, Luigi Mondello
 Comprehensive Chromatography in Food Analysis: Enhanced Resolution for Challenging Separations
Comunicazione Orale a Invito
- 601** Shimadzu Dinner Scientific Forum at ASMS 2011, June 5-9, 2011, Denver, Colorado, USA
Paola Donato, Paola Dugo, Luigi Mondello
 Comprehensive Liquid Chromatography Coupled to Mass Spectrometry (IT-TOF): Instrumentation, Software, and Selected Applications
Comunicazione Orale a Invito

- 602** HPLC 2011, 36th International Symposium on High Performance Liquid Phase Separations and Related Techniques, Budapest, Hungary, June 19-23, 2011
Paola Dugo, Daniele Giuffrida, Germana Torre, Francesco Cacciola, Paola Donato, Luigi Mondello
Analysis of Native Carotenoid Composition in Sweet Bell Peppers using C30 Columns in tandem
Contributo Poster
- 603** HPLC 2011, 36th International Symposium on High Performance Liquid Phase Separations and Related Techniques, Budapest, Hungary, June 19-23, 2011
Paola Dugo, Paola Donato, Francesco Cacciola, Luigi Mondello
New developments in the use of comprehensive LC for the analysis of natural products
Comunicazione Orale
- 604** HPLC 2011, 36th International Symposium on High Performance Liquid Phase Separations and Related Techniques, Budapest, Hungary, June 19-23, 2011
Filomena Cichello, Francesco Cacciola, Paola Donato, Paola Dugo, and Luigi Mondello
Unambiguous Determination of Milk Phospholipids by HILIC Coupled to an Hybrid Mass Analyzer
Contributo Poster
- 605** HPLC 2011, 36th International Symposium on High Performance Liquid Phase Separations and Related Techniques, Budapest, Hungary, June 19-23, 2011
Francesco Cacciola, Paola Donato, Marina Russo, Paola Dugo, and Luigi Mondello
Polyphenolic fingerprint of various natural matrices by RPLC coupled to quadrupole and hybrid mass analyzers
Contributo Poster
- 606** HPLC 2011, 36th International Symposium on High Performance Liquid Phase Separations and Related Techniques, Budapest, Hungary, June 19-23, 2011
Tatsunari Yoshida, Ken-ichiro Tanaka, Tairo Ogura, Tsutomu Nishine, Hirohisa Mikami, Luigi Mondello, Paola Dugo
Detection of Panax ginseng extracts using comprehensive two-dimensional LC-MS coupled with PCA
Contributo Poster
- 607** Shimadzu seminar at HPLC 2011, 36th International Symposium on High Performance Liquid Phase Separations and Related Techniques, Budapest, Hungary, June 20, 2011
Paola Dugo, Paola Donato, Francesco Cacciola, Luigi Mondello
Developing Comprehensive LC (LCxLC) Methods for Achieving High Resolution Separations

Comunicazione Orale a Invito

- 608** 16th International Symposium on Carotenoids – towards a brighter side of life, Krakow, Poland, 17-22 July, 2011.
Daniele Giuffrida, Paola Dugo, Germana Torre, Francesco Cacciola, Luigi Mondello.
Determination of carotenoids and their esters in chilli red pepper (*Capsicum anuum* L.) by comprehensive (LCxLC) liquid chromatography
Comunicazione Poster
- 609** 16th International Symposium on Carotenoids – towards a brighter side of life, Krakow, Poland, 17-22 July, 2011.
Daniele Giuffrida, Adela Pintea, Paola Dugo, Germana Torre, Raluca Maria Pop, Luigi Mondello.
Determination of carotenoids and their esters in fruits of Sea Buckthorn (*Hippophae rhamnoides* L.) by HPLC-DAD-APCI-MS
Comunicazione Poster
- 610** The next era of mass spectrometry from Shimadzu, Seminar series 2011, July 26, 2011, Singapore.
Luigi Mondello
Multidimensional gas chromatography with a flexible Deans switch for analysis of complex samples
Comunicazione Orale ad Invito (150)
- 611** New horizons in separation and detection techniques, Separation Science Asia 2011, July 27-28, 2011, Biopolis, Singapore.
Luigi Mondello
A flexible chip-based pneumatic modulator for comprehensive two-dimensional gas chromatography
Comunicazione Orale ad Invito (151)
- 612** 17th Symposium on Separation Sciences, September 5-9, 2011, Cluj-Napoca, Romania.
Francesco Cacciola, Paola Donato, Paola Dugo, Luigi Mondello.
Use of High Pressure Liquid Chromatography Capabilities for Applications in Food Area
Comunicazione Orale a Invito
- 613** First International Congress on Cocoa Coffee and Tea, CoCoTea 2011, September 13-16, 2011, Novara, Italy.
P.Q. Tranchida, L. Mondello, P. Dugo, G. Dugo.
Analysis of coffee volatiles by using comprehensive two-dimensional gas chromatography
Comunicazione Orale a Invito
- 614** ISEO 2011 – 42nd International Symposium on Essential Oils, September 11-14, 2011, Antalya, Turkey.
L. Mondello, P. Dugo
Advanced chromatographic techniques for the analysis of essential oils and related products

Comunicazione Orale a Invito

- 615** ISEO 2011 – 42nd International Symposium on Essential Oils, September 11-14, 2011, Antalya, Turkey.
D. Sciarrone, S. Pantò, G. Dugo, P. Dugo, L. Mondello
Enhanced collection of essential oil components by using a multidimensional GC-prep system
Comunicazione Orale
- 616** ISEO 2011 – 42nd International Symposium on Essential Oils, September 11-14, 2011, Antalya, Turkey.
L. Tedone, L. Mondello, A. Ludwiczuk, Y. Asakawa
Volatile components from selected Japanese liverworts: a chemosystematic approach
Comunicazione Orale
- 617** ISEO 2011 – 42nd International Symposium on Essential Oils, September 11-14, 2011, Antalya, Turkey.
I. Bonaccorsi, D. Sciarrone, L. Schipilliti, L. Mondello and G. Dugo
Authenticity assessment of Citrus essential oils
Comunicazione Poster
- 618** ISEO 2011 – 42nd International Symposium on Essential Oils, September 11-14, 2011, Antalya, Turkey
M. Russo, M. Sarò, C. Carnovale, P. Dugo, L. Mondello
Analysis of chiral coumarins and furocoumarins in Citrus essential oils by means NP-HPLC
Comunicazione Poster
- 619** XXIV Congresso Nazionale della Società Chimica Italiana, 11-16 Settembre 2011, Lecce.
Luigi Mondello
Comprehensive Chromatography (GCxGC, LCxLC) coupled to mass spectrometry for the analysis of complex matrices
Comunicazione Orale ad Invito (152)
- 620** EUROanalysis 2011, 16th European Conference on Analytical Chemistry, “Challenges in Modern Analytical Chemistry”, 11-15 September 2011 – Congress Center SAVA, Belgrade, Serbia.
P. Donato, F. Cacciola, P. Dugo, L. Mondello
Ultra Fast Separation and High Resolution Capabilities (LCxLC-IT-TOF) for Natural Products Applications.
Comunicazione Orale
- 621** RDPA 2011, Recent Developments in Pharmaceutical Analysis, 14th International Meeting, September 21-24, 2011, Pavia, Italy.
P. Dugo, P. Donato, F. Cacciola, L. Mondello
Multidimensional liquid chromatography in combination to mass spectrometry for the analysis of natural products
Comunicazione Orale

- 622** RDPA 2011, Recent Developments in Pharmaceutical Analysis, 14th International Meeting, September 21-24, 2011, Pavia, Italy.
E. Sommella, F. Cacciola, P. Donato, P. Campiglia, E. Novellino, L. Mondello, P. Dugo
 Online comprehensive 2D LC/MS for proteomic analysis
Comunicazione Poster
- 623** XXV Congresso Nazionale di Scienze Merceologiche, Trieste-Udine, 26-28 Settembre 2011.
 B. Chiofalo, P. Dugo, A. Prandini, F. Cacciola, N. Fawzy, P. Donato, C. Panetta, F. Lo Coco, S. Simonella, L. Mondello.
 Characterization of the triacylglycerol fraction of Salame S. Angelo PGI by means of HPLC-APCI/MS.
 Comunicazione Poster
- 624** XX Congresso Italo-Latinoamericano de Etnomedicina, 19-22 Settembre 2011, Fortaleza, Ceara, Brasile
Bonaccorsi I.L., Schipilliti L., Sciarrone D., Dugo P., Mondello L., Haro-Guzman L., and Dugo G.
 Characterization of Mexican lime oils *C. aurantifolia* Swingle and *C. latifolia* Tanaka by modern chromatographic techniques
Comunicazione Orale
- 625** XX Congresso Italo-Latinoamericano de Etnomedicina, 19-22 Settembre 2011, Fortaleza, Ceara, Brasile
 Bonaccorsi I., Dugo G., Dugo P., Mondello L.
 Advanced Liquid Chromatographic Techniques for the Analysis of Food Matrices
Comunicazione Orale
- 626** Dugo Giovanni
 Comunicazione Orale Plenaria a Invito
- 627** ExTech 2011 – 13th International Symposium on Advances in Extraction Technologies, September 27-29, 2011, Putra World Trade Centre, Kuala Lumpur, Malaysia
L. Mondello, R. Costa, P. Dugo, G. Dugo
 Solid Phase Microextraction combined with Multidimensional Comprehensive Chromatography for the Analysis of Complex Mixtures
Comunicazione Orale ad Invito (153)
- 628** ExTech 2011 – 13th International Symposium on Advances in Extraction Technologies, September 27-29, 2011, Putra World Trade Centre, Kuala Lumpur, Malaysia
D. Sciarrone, R. Costa, P. Dugo, G. Dugo, L. Mondello
 SPME coupled to Comprehensive GCxGC with simultaneous 2D FID/MS detection for the analysis of Italian truffle (*Tuber magnatum* Pico) volatiles
Comunicazione Orale

- 629** ExTech 2011 – 13th International Symposium on Advances in Extraction Technologies, September 27-29, 2011, Putra World Trade Centre, Kuala Lumpur, Malaysia
D. Sciarrone, P.Q. Tranchida, G. Purcaro, P. Dugo, G. Dugo, L. Mondello
 A rapid screening method for the detection of mineral oil composition in vegetable oils
Comunicazione Poster
- 630** ExTech 2011 – 13th International Symposium on Advances in Extraction Technologies, September 27-29, 2011, Putra World Trade Centre, Kuala Lumpur, Malaysia
G. Purcaro, F. Franchina, P.Q. Tranchida, P. Dugo, R. Costa, L. Mondello
 Solid Phase Microextraction-Comprehensive Gas Chromatography with very fast Quadrupole Mass Spectrometry for the Analysis of water pesticides
Comunicazione Poster
- 631** 37th International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC 2011 Dalian), October 8-11, 2011, Dalian, China
Paola Dugo, Paola Donato, Francesco Cacciola e Luigi Mondello
 Multidimensional Liquid Chromatography: Instrumental Aspects, Method Development and Future Trend
Comunicazione Orale a Invito
- 632** 37th International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC 2011 Dalian), October 8-11, 2011, Dalian, China
 Paola Donato, Eduardo Sommella, Francesco Cacciola, Luigi Mondello, Paola Dugo
 On-line capillary scale comprehensive 2D-LC system for the analysis of proteome samples
 Comunicazione Poster
- 633** The 14th Beijing Conference and Exhibition on Instrumental Analysis (BCEIA2011), October 13-16, 2011, Beijing, China
Paola Dugo, Paola Donato, Francesco Cacciola e Luigi Mondello
 Employment of Comprehensive Two-Dimensional Liquid Chromatography in Combination with Mass Spectrometry for the Analysis of Complex Samples
Comunicazione Orale
- 634** 5th International Symposium on Recent Advances in Food Analysis, November 1-4, 2011, Prague, Czech republic
Ivana Bonaccorsi, Danilo Sciarrone, Peter Tranchida, Luisa Schipilliti, Paola Dugo, Luigi Mondello
 Multidimensional GC (MDGC) and Carbon Isotope Ratio MS (GC-C-IRMS) for the Authenticity Assessment of Citrus Essential Oils
Comunicazione Orale

- 635** 5th International Symposium on Recent Advances in Food Analysis, November 1-4, 2011, Prague, Czech republic
Francesco Cacciola, Paola Donato, Germana Torre, Daniele Giuffrida, Paola Dugo, Luigi Mondello
 Exploiting high pressure conditions in comprehensive two-dimensional liquid chromatography as a novel approach in food analysis
Comunicazione Orale
- 636** 5th International Symposium on Recent Advances in Food Analysis, November 1-4, 2011, Prague, Czech republic
 Sigma-Aldrich Vendor Seminar, November 3, 2011
P.Q. Tranchida, C. Ragonese, Paola Dugo, Luigi Mondello
 Use of Ionic Liquid Stationary Phases in the GC analysis of Food Volatiles
Comunicazione Orale
- 637** 5th International Symposium on Recent Advances in Food Analysis, November 1-4, 2011, Prague, Czech republic
Luisa Schipilliti, Peter Tranchida, Ivana Bonaccorsi, Paola Dugo, Giovanni Dugo, Luigi Mondello
 Citrus liqueurs quality control employing headspace-solid phase microextraction (HS-SPME) coupled to gas chromatography-combustion-isotope mass spectrometry (GC-C-IRMS), enantioselective-gas chromatography (Es-GC) and gas chromatography-mass spectrometry
Comunicazione Poster
- 638** 5th International Symposium on Recent Advances in Food Analysis, November 1-4, 2011, Prague, Czech republic
Giorgia Purcaro, Peter Tranchida, Flavio Franchina, Lanfranco Conte, Paola Dugo, Luigi Mondello
 Comprehensive Two-Dimensional Gas Chromatography (GCxGC) coupled to a fast quadrupole mass spectrometer for the reliable quantification of pesticides in water
Comunicazione Poster
- 639** 5th International Symposium on Recent Advances in Food Analysis, November 1-4, 2011, Prague, Czech republic
Peter Tranchida, Mariosimone Zoccali, Giorgia Purcaro, Sabrina Moret, Lanfranco Conte, Paola Dugo, Luigi Mondello
 A rapid and sensitive multidimensional liquid-gas chromatography (LC-GC) method for the determination of hydrocarbon contamination in foods
Comunicazione Poster
- 640** Incontri di Scienza delle Separazioni – Stato dell'arte e prospettive future delle tecniche separative in campo biologico, fitochimico e farmaceutico, Roma, 22-23 Novembre 2011.
E. Sommella, F. Cacciola, P. Donato, P. Dugo, L. Mondello
 Sviluppo di un sistema multidimensionale nella modalità comprehensive LCxLC per l'analisi di campioni proteoma
Comunicazione Orale

- 641** Incontri di Scienza delle Separazioni – Stato dell’arte e prospettive future delle tecniche separative in campo biologico, fitochimico e farmaceutico, Roma, 22-23 Novembre 2011.
F. Franchina, P.Q. Tranchida, L. Mondello
 Analisi degli acidi grassi di campioni lipidici tramite gascromatografia a separazione multidimensionale con micro modulatore a flusso (FM-GCxGC-qMS)
Comunicazione Orale
- 642** Seminar “Modern Methoden der Massenspektrometrie und Chromatographie des Massenspektrometrie Zentrums”, University of Rostock, Rostock, Germany, 22 Novembre 2011.
Luigi Mondello
 A novel flow modulator for comprehensive 2D GC
Comunicazione Orale ad Invito (154)
- 643** HTC-12, 12th International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analysers, Bruges (Belgium), February 1-3, 2012
P.Q. Tranchida, M. Zoccali, G. Purcaro, L. Conte, L. Mondello
 Multidimensional Liquid-Gas (LC-GC) Chromatography for the rapid determination of saturated hydrocarbon contamination in food
Comunicazione Orale
- 644** HTC-12, 12th International Symposium on Hyphenated Techniques in Chromatography and Hyphenated Chromatographic Analysers, Bruges (Belgium), February 1-3, 2012
L. Mondello, P.Q. Tranchida, F. Franchina, P. Dugo
 Flow-modulated Comprehensive 2D Gas Chromatography-Mass Spectrometry assisted by a novel data-processing software
Comunicazione Orale (31)
- 645** Pittcon Conference & Expo, March 11-15,2012, Orlando, FL, USA
L. Mondello, C. Ragonese, D. Sciarrone, P.Q. Tranchida
 A new trend in GC Selectivity: ion liquid Stationary phases.
Comunicazione Orale ad Invito (155)
- 646** Pittcon Conference & Expo, March 11-15,2012, Orlando, FL, USA
P.Q. Tranchida, F. Franchina, L. Mondello
 A flexible chip-based pneumatic modulator for comprehensive two-dimensional gas chromatography
Comunicazione Orale
- 647** Seminario Waters “Nuove Soluzioni per l’Analisi Ambientale ed Alimentare”, March 28, 2012, Messina
G. Torre, P. Dugo, D. Giuffrida, G. Dugo, L. Mondello
 Utilizzo della cromatografia liquida ad alte prestazioni accoppiata alla spettrometria di massa (HPLC-DAD-MS) per la determinazione di carotenoidi in matrici alimentari
Comunicazione Orale

- 648** 30th Informal Meeting on Mass Spectrometry, 29th April – 3rd May 2012, Olomouc, Czech Republic.
P. Donato, F. Cacciola, P. Dugo, L. Mondello.
 Mass spectrometry detection in comprehensive two-dimensional liquid chromatography: instrumentation, software, and selected applications.
Comunicazione Orale
- 649** 8th International Symposium on Chromatography of Natural Products, May 17-20, 2012, Lublin, Poland.
 Mondello L., Dugo p., Cacciola F., Donato P.
 Advanced Chromatography Techniques for the Analysis of Natural Products.
 Comunicazione Orale
- 650** 60th ASMS Conference on Mass Spectrometry and Allied Topics, May 20 – 24, 2012, Vancouver, Canada.
M. Mreyen; F. Cacciola; P. Donato; D. Giuffrida; G. Torre; P. Dugo; L. Mondello.
 Mass spectrometric elucidation of carotenoids in chili red peppers using ultra high pressure comprehensive two-dimensional liquid chromatography.
Comunicazione Poster
- 651** 60th ASMS Conference on Mass Spectrometry and Allied Topics, May 20 – 24, 2012, Vancouver, Canada.
C. T. Santasania; M. Beccaria; F. Cacciola; P. Donato; P. Dugo; L. Mondello.
 Analysis of Triacylglycerols in Brevoortia tyrannus (Menhaden) Oil by Non-aqueous reversed Phase Liquid Chromatography in Combination with Mass Spectrometry.
Comunicazione Poster
- 652** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
P. Dugo, P. Donato, F. Cacciola, L. Mondello
 Continuous and Stop-Flow Approaches in Comprehensive Two Dimensional Liquid Chromatography
Comunicazione Orale
- 653** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
P. Dugo, P. Donato, F. Cacciola, L. Mondello
 Liquid chromatography in combination with mass spectrometry for lipid analysis.
 Comunicazione Orale
- 654** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
D. Sciarrone, S. Pantò, P. Dugo, G. Dugo, L. Mondello

Enhanced Collection Of Volatile Components By Using A Triple Deans Switch Tridimensional Preparative Capillary Gas Chromatographic System

Comunicazione Orale

- 655** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
I. Bonaccorsi, L. Schipilliti, E. Grasso, P. Dugo, L. Mondello, G. Dugo
Carbon Isotope Ratio MS (GC-C-IRMS) And Multidimensional GC (MDGC) for The Authenticity Assessment Of Natural Food Flavors
Comunicazione Orale
- 656** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
G. Purcaro, L. Mondello, P. Q. Tranchida, L. Barp, L. S. Conte, S. Moret
Elucidation Of Hydrocarbon Contamination In Food Products By Using Off-Line Solid-Phase Extraction And Comprehensive Twodimensional Gas Chromatography With Dual Detection
Comunicazione Orale
- 657** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
P. Q. Tranchida, F. A. Franchina, P. Dugo, L. Mondello
Enhanced Selectivity And Sensitivity of Comprehensive 2D GC Combined With A Novel Fast Triple-Quad Mass Spectrometer
Comunicazione Orale
- 658** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
C. Ragone, D. Sciarrone, E. Grasso, P. Dugo, L. Mondello
Enhanced Resolution Of Terpene Compounds By Using An Ionic Liquid Stationary Phase In Peppermint Essential Oil Analysis
Comunicazione Poster
- 659** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
N. B. Hussin, L. Mondello, R. Costa, P. Dugo, N. Yusoff N.I., M.A. Yarmo, P. Q. Tranchida, A. Ab. Wahab, M. Said
Simple And Reliable Methods For Producing Patchoulol (Patchouli Alcohol) Standard For Gc-Fid And Gc-Ms Analyses
Comunicazione Poster
- 660** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
R. Costa, S. De Grazia, E. Grasso, L. Tedone, L. Mondello
Characterization Of Agaricus Bisporus Flavor By Headspace-Solid Phase Microextraction (HS-SPME) Coupled With Gas Chromatography(GC-FID) And Gas Chromatography–Mass Spectrometry (GC-MS)
Comunicazione Poster

- 661** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
L. Tedone, R. Costa, P. Dugo, L. Mondello
 Application Of Multiple Headspace Solid Phase Microextraction (MHS-SPME) Technique To The Quantitative Analysis Of Fragrance And Flavour Compounds
Comunicazione Poster
- 662** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
M. Russo, M. Sarò, G. Torre, P. Dugo, L. Mondello
 Heart-Cutting Multidimensional Liquid Chromatography For The Determination Of Chiral Coumarins And Furocoumarins In Citrus Essential Oils
Comunicazione Poster
- 663** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
M. Zoccali, P. Q. Tranchida, P. Dugo, L. Mondello
 Determination Of Saturated-Hydrocarbon Contamination In Baby Foods By Using On-Line Liquid-Gas Chromatography And Off-Line Liquid-Comprehensive Gas Chromatography Combined With Mass Spectrometry
Comunicazione Poster
- 664** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
S. Pantò, D. Sciarrone, P. Dugo, G. Dugo, L. Mondello
 Highly Efficient Collection Of Oxygenated Sesquiterpenes By Means Of A Triple Deans Switch Tridimensional Preparative Capillary Gas Chromatographic System
Comunicazione Poster
- 665** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
M. Zoccali, P. Q. Tranchida, P. Dugo, L. Mondello
 A Measurement Of Fundamental Chromatography Parameters In Conventional And Split-Flow Comprehensive Two-Dimensional Gas Chromatography-Mass Spectrometry: A Comparative Study
Comunicazione Poster
- 666** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
F. A. Franchina, P. Q. Tranchida, P. Dugo, L. Mondello
 Increasing The Selectivity And Sensitivity Of Comprehensive Twodimensional Gas Chromatography By Hyphenation With A Novel Highspeed Triple-Quadrupole Mass Spectrometer
Comunicazione Poster
- 667** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
E. Sommella, F. Cacciola, P. Donato, P. Dugo, P. Campiglia, L. Mondello

On-Line Capillary Scale Comprehensive Two Dimensional Liquid Chromatography System For The Analysis Of Proteome Samples
Comunicazione Poster

- 668** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
P. Donato, F. Cacciola, G. Torre, P. Dugo, L. Mondello
Implementing On-Line Comprehensive NP-LC×RP-UHPLC Technology For Improved Identification Of A Complex Foodstuff By Mass Spectrometry
Comunicazione Poster
- 669** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
M. Beccaria, G. Sullini, N. Fawzy, F. Cichello, F. Cacciola, P. Dugo, L. Mondello
Employment Of A Stop-Flow Technique In Comprehensive Twodimensional Liquid Chromatography For Fish Oil Analysis
Comunicazione Poster
- 670** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
C. Fanali, L. Dugo, R. Costa, G. Pennaza, M. Santonico, P.Dugo, L. Mondello
White Truffle Aroma Fingerprint: Electronic Nose And GC-MS Analyses.
Comunicazione Poster
- 671** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
L. Schipilliti, I. Bonaccorsi, D. Sciarrone, L. Dugo, P. Dugo, L. Mondello, G. Dugo
Determination Of Petitgrain Oils Landmark Parameters By Using Gas Chromatography-Combustion-Isotope Ratio Mass Spectrometry And Enantioselective Multidimensional Gas Chromatography
Comunicazione Poster
- 672** 36th ISCC and 9th GC×GC Symposium, May 27 – June 1, 2012, Riva del Garda, Italy
D. Kotoni, G. Pierri, A. Ciogli, P. Campiglia, G. Tenore, P.Dugo, L. Mondello, C. Villani, E. Gasparini
Proteomic Profile Of Caseins And Minor Proteins In Bovine Milk
Comunicazione Poster
- 673** ChimAlSi_2012 – IX Italian Congress of Food Chemistry – “Food, functional foods and nutraceuticals”, Ischia (NA, Italy), June 3-7, 2012.
I. Bonaccorsi, D. Sciarrone, L. Schipilliti, P. Dugo, L. Mondello, G. Dugo.
Enantioselective multidimensional GC (MDGC) and carbon isotope ratio MS (GC-C-IRMS) for the authenticity assessment of Citrus essential oils and other food flavours
Comunicazione Orale

- 674** ChimAlSi_2012 – IX Italian Congress of Food Chemistry – “Food, functional foods and nutraceuticals”, Ischia (NA, Italy), June 3-7, 2012.
I. Bonaccorsi, L. Schipilliti, P.Q. Tranchida, P. Dugo, L. Mondello, A. Cotroneo.
Carbon isotopic ratios and enantiomeric distributions of selected volatiles as parameters for the quality assessment of Citrus liqueurs determined by HS-SPME coupled to GC-C-IRMS, and ES-GC
Comunicazione Poster
- 675** ChimAlSi_2012 – IX Italian Congress of Food Chemistry – “Food, functional foods and nutraceuticals”, Ischia (NA, Italy), June 3-7, 2012.
D. Giuffrida, E. Murillo, D. Menchaca, P. Dugo, G. Torre, G. Dugo, L. Mondello
Carotenoids composition in some tropical fruits
Comunicazione Orale
- 676** ChimAlSi_2012 – IX Italian Congress of Food Chemistry – “Food, functional foods and nutraceuticals”, Ischia (NA, Italy), June 3-7, 2012.
D. Giuffrida, P. Dugo, G. Torre, C. Bignardi, A. Cavazza, C. Corradini, G. Dugo, L. Mondello
Characterization of 12 Capsicum varieties by evaluation of their carotenoid profile and pungency determination
Comunicazione Poster
- 677** ChimAlSi_2012 – IX Italian Congress of Food Chemistry – “Food, functional foods and nutraceuticals”, Ischia (NA, Italy), June 3-7, 2012.
M. Mreyen, F. Cacciola, P. Donato, D. Giuffrida, G. Torre, P. Dugo, L. Mondello
Mass spectrometric elucidation of carotenoids in chili red peppers using ultra high pressure comprehensive two-dimensional liquid chromatography
Comunicazione Poster
- 678** ChimAlSi_2012 – IX Italian Congress of Food Chemistry – “Food, functional foods and nutraceuticals”, Ischia (NA, Italy), June 3-7, 2012.
C. Fanali, A. Rocco, Z. Aturki, P. Dugo, L. Mondello
Food analysis by using miniaturized chromatographic techniques: determination of polyphenols in tea samples
Comunicazione Poster
- 679** ChimAlSi_2012 – IX Italian Congress of Food Chemistry – “Food, functional foods and nutraceuticals”, Ischia (NA, Italy), June 3-7, 2012.
M. Beccaria, E. Sommella, N. Fawzy, F. Cacciola, P. Donato, P.Q. Tranchida, G. Dugo, P. Dugo, L. Mondello
Analysis of triacylglycerols in Brevoortia tyrannus (menhaden) oil by non-aqueous reversed phase liquid chromatography in combination with mass spectrometry
Comunicazione Poster
- 680** ChimAlSi_2012 – IX Italian Congress of Food Chemistry – “Food, functional foods and nutraceuticals”, Ischia (NA, Italy), June 3-7, 2012.
P.Q. Tranchida, M. Zoccali, P. Dugo, Giovanni Dugo, L. Mondello

Multidimensional liquid-gas (LC-GC) chromatography for the rapid determination of saturated hydrocarbon contamination in baby food
Comunicazione Poster

- 681** ChimAlSi_2012 – IX Italian Congress of Food Chemistry – “Food, functional foods and nutraceuticals”, Ischia (NA, Italy), June 3-7, 2012.
Luigi Mondello
Advanced liquid chromatography techniques for the analysis of proteins of food concern
Comunicazione Orale (32)
- 682** ChimAlSi_2012 – IX Italian Congress of Food Chemistry – “Food, functional foods and nutraceuticals”, Ischia (NA, Italy), June 3-7, 2012.
F. Cichello, M. Russo, E. Sommella, P. Donato, P.Q. Tranchida, G. Dugo, P. Dugo, L. Mondello
Determination of phospholipids in various milk samples by means of HILIC-ELSD/MS
Comunicazione Poster
- 683** Massa 2012 – Division of Mass Spectrometry – SCI, 40th anniversary, Palermo, July 1-5, 2012.
P.Q. Tranchida, F.A. Franchina, P. Dugo, L. Mondello
Enhanced selectivity and sensitivity of comprehensive two-dimensional gas chromatography combined with a novel high-speed triple quadrupole mass spectrometer
Comunicazione Orale
- 684** Massa 2012 – Division of Mass Spectrometry – SCI, 40th anniversary, Palermo, July 1-5, 2012.
P. Donato, F. Cacciola, G. Torre, P. Dugo, L. Mondello
Mass spectrometric elucidation of carotenoids in complex foodstuff using ultra high pressure comprehensive two-dimensional liquid chromatography
Comunicazione Orale
- 685** HPLC 2012 – 38th International Symposium on High Performance Liquid Phase Separations and Related Techniques, Anaheim, CA (USA), June 16-21, 2012
L. Mondello, P. Donato, F. Cacciola, P. Dugo
New trends in comprehensive two-dimensional liquid chromatography in combination with mass spectrometry for the analysis of real-world samples
Comunicazione Orale (33)
- 686** 43rd International Symposium on Essential Oils, ISEO 2012, Lisbona, Portogallo, 05-08 Settembre 2012.
Russo M., Torre G., Bonaccorsi I., Dugo P., Mondello L.
Fast-RP-HPLC/PDA analysis of oxygen heterocyclic compounds in citrus essential oils
Comunicazione Poster
- 687** 43rd International Symposium on Essential Oils, ISEO 2012, Lisbona, Portogallo, 05-08 Settembre 2012.

- Ragone C., Sciarrone D., Grasso E., Dugo P., Mondello L.
Exploiting the alternative selectivity of a novel medium-polar ionic liquid stationary phase in the gas chromatographic analysis of essential oils
Comunicazione Poster
- 688** Scienza, Alimentazione, Stili di Vita e Salute”, Bologna, Italy, September 8-10-11, 2012.
P.Q. Tranchida, L. Mondello
Aspetti metodologici e analitici per la valutazione della qualità in matrici alimentari.
Comunicazione Orale
- 689** 29th International Symposium on Chromatography, ISC 2012, September 9-13, 2012, Torun, Poland.
F. Cacciola, P. Donato, P. Dugo, L. Mondello
Advanced liquid chromatography techniques for analysis of food lipids
Comunicazione Orale ad Invito
- 690** 29th International Symposium on Chromatography, ISC 2012, Torun, Poland, 09-13 Settembre 2012.
F. Cacciola, P. Donato, P. Dugo, L. Mondello
Comprehensive liquid chromatography – mass spectrometry technologies in food analysis
Comunicazione Orale
- 691** 29th International Symposium on Chromatography, ISC 2012, Torun, Poland, 09-13 Settembre 2012
M. Mreyen, F. Cacciola, P. Donato, D. Giuffrida, G. Torre, P. Dugo, L. Mondello
Mass spectrometric elucidation of carotenoids in chili red peppers using ultra high pressure comprehensive two-dimensional liquid chromatography
Comunicazione Poster
- 692** 14th International Symposium on Advances in Extraction Technologies, ExTech 2012, Messina (Italia), 24-26 Settembre 2012.
Russo M., Torre G., Sarò M., Dugo P., Mondello L.
Extraction and characterization of bioactive molecules from *Citrus*-processing by-products
Comunicazione Poster
- 693** 14th International Symposium on Advances in Extraction Technologies, ExTech 2012, Messina (Italia), 24-26 Settembre 2012.
Russo M., Sarò M., Torre G., Dugo P., Mondello L.
Multidimensional liquid chromatography for the purification and determination of chiral oxygen heterocyclic compounds in *Citrus* essential oils
Comunicazione Poster
- 694** 14th International Symposium on Advances in Extraction Technologies, ExTech 2012, Messina (Italia), 24-26 Settembre 2012.
Donato P., Cacciola F., Cihello F., Russo M., Dugo P., Mondello L.

Determination of phospholipids in milk samples by means of hydrophilic interaction liquid chromatography coupled to evaporative light scattering and mass spectrometry detection.

Comunicazione Poster

- 695** 14th International Symposium on Advances in Extraction Technologies, ExTech 2012, Messina (Italia), 24-26 Settembre 2012
Mariosimone Zoccali, Peter Q. Tranchida, Giorgia Purcaro, Lanfranco Conte, Paola Dugo, Luigi Mondello.
Determination of mineral oil saturated-hydrocarbon contamination in baby foods by using on-line LC-GC and off-line LC-GC×GC combined with mass spectrometry:
Comunicazione Poster
- 696** 14th International Symposium on Advances in Extraction Technologies, ExTech 2012, Messina (Italia), 24-26 Settembre 2012
Flavio Franchina, Mariosimone Zoccali, Peter Q. Tranchida, Paola Dugo, Luigi Mondello.
SPME-(Fast) GC combined with high-speed triple quadrupole mass spectrometry for the unknown and target analysis of pesticides in tea samples
Comunicazione Poster
- 697** 14th International Symposium on Advances in Extraction Technologies, ExTech 2012, Messina (Italia), 24-26 Settembre 2012
Peter Q. Tranchida, Mariosimone Zoccali, Flavio A. Franchinca, Paola Dugo, Luigi Mondello.
Enhanced selectivity and sensitivity of SPME-fast GC in combination with a novel high-speed triple-quad mass spectrometer in food analysis
Comunicazione Orale
- 698** 14th International Symposium on Advances in Extraction Technologies, ExTech 2012, Messina (Italia), 24-26 Settembre 2012
Rosaria Costa, Laura Tedone, Selenia De Grazia, Paola Dugo, Luigi Mondello
Multiple Headspace-Solid-Phase Microextraction (MHS-SPME): An Application To Quantification Of Mushroom Volatiles
Comunicazione Orale
- 699** 14th International Symposium on Advances in Extraction Technologies, ExTech 2012, Messina (Italia), 24-26 Settembre 2012
Elisa Grasso, Selenia De Grazia, Laura Tedone, Rosaria Costa, Paola Dugo, Luigi Mondello
Changes In The Volatile Fingerprint Of The Edible Mushroom Agaricus bisporus Occurring During Storage
Comunicazione Poster
- 700** 14th International Symposium On Advances In Extraction Technologies, Extech 2012, Messina (Italia), 24-26 Settembre 2012
Selenia De Grazia, Elisa Grasso, Rosaria Costa, Laura Tedone, Paola Dugo, Luigi Mondello

Characterization of *Agaricus bisporus* Flavor By Headspace-Solid Phase Microextraction (HS-SPME) Coupled With Gas Chromatography (GC-FID) And Gas Chromatography–Mass Spectrometry (GC-MS)
Comunicazione Poster

- 701** 14th International Symposium On Advances In Extraction Technologies, Extech 2012, Messina (Italia), 24-26 Settembre 2012
Luisa Schipilliti, Ana G. Buglia, Ivana Bonaccorsi, Paola Dugo and Luigi Mondello
Headspace-SPME Coupled To GC-C-IRMS For The Geographical And Botanical Characterization Of Coffee
Comunicazione Poster
- 702** 14th International Symposium On Advances In Extraction Technologies, Extech 2012, Messina (Italia), 24-26 Settembre 2012
Sebastiano Panto', Danilo Sciarrone, Carla Ragonese, Laura Tedone, Peter Quinto Tranchida, Paola Dugo, Luigi Mondello
Preparative gas chromatography as a powerful extraction tool for the isolation of highly pure components from complex matrices
Comunicazione Orale
- 703** 14th International Symposium On Advances In Extraction Technologies, Extech 2012, Messina (Italia), 24-26 Settembre 2012
Laura Tedone, Sebastiano Pantò, Danilo Sciarrone, Archimede Rotondo, Paola Dugo, Luigi Mondello.
Isolation of an unknown compound from the essential oil of *Clausena lansium* (Rutaceae) by means of a tridimensional preparative capillary gas chromatographic system
Comunicazione Poster
- 704** 14th International Symposium On Advances In Extraction Technologies, Extech 2012, Messina (Italia), 24-26 Settembre 2012
Simona Salivo, Peter Q. Tranchida, Flavio A. Franchina, Giovanni Dugo and Luigi Mondello
Qualitative And Quantitative Analysis Of The Unsaponifiable Fraction Of Vegetable Oils By Using Comprehensive 2D GC With Dual FID/MS Detection
Comunicazione Poster
- 705** 14th International Symposium On Advances In Extraction Technologies, Extech 2012, Messina (Italia), 24-26 Settembre 2012
Giuseppe Sullini, Marco Beccaria, Eduardo M. Sommella, Paola Dugo, Luigi Mondello
Multidimensional Off-Line Non-Aqueous Reversed Phase Liquid Chromatography - Silver Ion Liquid Chromatography-Mass Spectrometry For The Characterization Of Triacylglycerol Positional Isomers
Comunicazione Poster
- 706** 14th International Symposium On Advances In Extraction Technologies, Extech 2012, Messina (Italia), 24-26 Settembre 2012
Danilo Sciarrone, Carla Ragonese, Peter Q. Tranchida, Luigi Mondello

Simultaneous Determination Of Oxygenated Compounds And BTEX In Gasoline By Means Of Multidimensional GC Coupled To MS
Comunicazione Poster

- 707** 14th International Symposium On Advances In Extraction Technologies, Extech 2012, Messina (Italia), 24-26 Settembre 2012
Carla Ragonese, Peter Quinto Tranchida, Danilo Sciarrone, Luigi Mondello
 Simultaneous Sample Preparation And Characterization Of Biodiesel Blend FAMES Exploiting An Ionic Liquid Gas Chromatographic Stationary Phase
Comunicazione Poster
- 708** 14th International Symposium On Advances In Extraction Technologies, Extech 2012, Messina (Italia), 24-26 Settembre 2012
 Nermeen Fawzy, Francesco Cacciola, Paola Donato, Filomena Cichello, Paola Dugo and Luigi Mondello
 Comprehensive Two-dimensional Liquid Chromatography Combined with Mass Spectrometric Detection for Phospholipid Analysis
Comunicazione Poster
- 709** 14th International Symposium On Advances In Extraction Technologies, Extech 2012, Messina (Italia), 24-26 Settembre 2012
Chiara Fanali, Laura Dugo, Rosaria Costa, Laura Tedone, Paola Dug, Luigi Mondello
 Headspace solid-phase microextraction (HS-SPME) of white truffles volatile compounds: evaluation of storage condition markers
Comunicazione Poster
- 710** XIV COLACRO, Congresso Latino-Americano de Cromatografia e Técnicas Relacionadas, Florianópolis, Brazil, October 2-5, 2012
Luigi Mondello
 Comprehensive chromatography techniques coupled to mass spectrometry: a new frontier in separation science
Comunicazione Orale ad Invito (156)
- 711** XIV COLACRO, Congresso Latino-Americano de Cromatografia e Técnicas Relacionadas, Florianópolis, Brazil, October 2-5, 2012
Ana Gabriela Buglia, Luisi Schipilliti, Ivana Bonaccorsi, Paola Dugo, Luigi Mondello
 Carbon isotope ration determination, by GC-C-IRMS using SPME extraction in natural complex matrices of food interest
Cominicazione Poster
- 712** Pittcon Conference & Expo, Philadelphia, USA, March 17-21 2013
Luigi Mondello
 Multidimensional Chromatography Techniques in Food Analysis: State of the Art
Comunicazione Orale ad Invito (157)
- 713** Pittcon Conference & Expo, Philadelphia, USA, March 17-21 2013

Luigi Mondello

Advances in Multidimensional Liquid Chromatography: Beyond the Separation

Comunicazione Orale ad Invito (158)

- 714** 31st IMMS, Informal Meeting on Mass Spectrometry, Palermo, Italy, May 5-8 2013
Francesco Cacciola, Luigi Mondello
Advanced analytical Techniques for characterization of bio-active molecules in complex real-world samples
Comunicazione Orale
- 715** 37th International Symposium on Capillary Chromatography, and 10th GC×GC Symposium, Palm Springs, USA, May 12-16, 2013
Peter Tranchida, Luigi Mondello
Gas velocity at the point of re-injection: an additional parameter in comprehensive 2D GC optimization
Comunicazione Orale a Invito
- 716** 37th International Symposium on Capillary Chromatography, and 10th GC×GC Symposium, Palm Springs, USA, May 12-16, 2013
Luigi Mondello
Comprehensive 2D Chromatography: A Key to Unlock Closed Analytical Doors
Comunicazione Orale ad Invito (159)
- 717** 37th International Symposium on Capillary Chromatography, and 10th GC×GC Symposium, Palm Springs, USA, May 12-16, 2013
Daniilo Sciarrone, Sebastiano Pantò, Peter Quinto Tranchida, Paola Dugo, Luigi Mondello
Rapid isolation of high solute amounts by using an on-line 4D chromatographic system (prep LC-GC-GC-GC)
Comunicazione Orale a Invito
- 718** 37th International Symposium on Capillary Chromatography, and 10th GC×GC Symposium, Palm Springs, USA, May 12-16, 2013
Paola Donato, Francesco Cacciola, Paola Dugo, Luigi Mondello
High Peak Capacity Separations of Biologically-Important Molecules by Using 2DLC×UHPLC
Comunicazione Orale a Invito
- 719** 37th International Symposium on Capillary Chromatography, and 10th GC×GC Symposium, Palm Springs, USA, May 12-16, 2013
Flavio Franchina, Mariosimone Zoccali, Peter Tranchida, Luigi Mondello
High sensitivity flow-modulated two-dimensional gas chromatography-mass spectrometry
Comunicazione Poster
- 720** 37th International Symposium on Capillary Chromatography, and 10th GC×GC Symposium, Palm Springs, USA, May 12-16, 2013

- Simona Salivo, Peter Tranchida, Carla Ragonese, Marco Beccaria, Luigi Mondello
Determination of the unsaponifiable fraction of milk lipids using GC×GC-MS/FID supported by HR ToF MS for structural confirmation
Comunicazione Poster
- 721** 37th International Symposium on Capillary Chromatography, and 10th GC×GC Symposium, Palm Springs, USA, May 12-16, 2013
Mariosimone Zoccali, Flavio Franchina, Simona Salivo, Sebastiano Pantò, Peter Tranchida, Luigi Mondello
SPE GC-HR ToF MS analysis of pesticides in olive oil: comparison with GC-MSMS
Comunicazione Poster
- 722** 37th International Symposium on Capillary Chromatography, and 10th GC×GC Symposium, Palm Springs, USA, May 12-16, 2013
Danilo Sciarrone, Mariosimone Zoccali, Flavio Franchina, Peter Quinto Tranchida, Luigi Mondello
Combining liquid chromatography and comprehensive two-dimensional gas chromatography-mass spectrometry: a powerful approach for the determination of mineral oil food contamination
Comunicazione Poster
- 723** 37th International Symposium on Capillary Chromatography, and 10th GC×GC Symposium, Palm Springs, USA, May 12-16, 2013
Carla Ragonese, Danilo Sciarrone, Elisa Grasso, Peter Quinto Tranchida, Luigi Mondello
A highly polar ionic liquid stationary phase for the determination of fatty acid profile of milk lipid fraction
Comunicazione poster
- 724** 37th International Symposium on Capillary Chromatography, and 10th GC×GC Symposium, Palm Springs, USA, May 12-16, 2013.
Danilo Sciarrone, Francesca Rigano, Peter Quinto Tranchida, Luigi Mondello
Electron impact mass spectra of non volatile compound through a nano LC-EI-MS system
Comunicazione Poster
- 725** 37th International Symposium on Capillary Chromatography, and 10th GC×GC Symposium, Palm Springs, USA, May 12-16, 2013
Danilo Sciarrone, Sebastiano Pantò, Peter Quinto Tranchida, Luigi Mondello
Multidimensional liquid-preparative gas chromatography (LC-GC-GC-GC-prep) for the collection of minor components from complex matrices
Comunicazione Poster
- 726** 37th International Symposium on Capillary Chromatography, and 10th GC×GC Symposium, Palm Springs, USA, May 12-16, 2013
Paola Donato, Nermeen Fawzy, Francesco Cacciola, Marco Beccarla, Luigi Mondello

Continuous vs. Stop-Flow Online Approaches for Comprehensive Two-dimensional Liquid Chromatography of Lipids
Comunicazione Poster

- 727** HPLC 2013, 39th International Symposium on High Performance Liquid Phase Separations and Related Techniques, Amsterdam, The Netherlands, June 16-20th 2013
Paola Dugo, Paola Donato, Francesco Cacciola, Luigi Mondello
Comprehensive Two-dimensional Liquid Chromatography
Comunicazione Orale a Invito
- 728** HPLC 2013, 39th International Symposium on High Performance Liquid Phase Separations and Related Techniques, Amsterdam, The Netherlands, June 16-20th 2013
Advanced Liquid Chromatography and Mass Spectrometry Techniques for Lipid Analysis
Paola Dugo, Paola Donato, Francesco Cacciola, Luigi Mondello
Comunicazione Orale a Invito
- 729** HPLC 2013, 39th International Symposium on High Performance Liquid Phase Separations and Related Techniques, Amsterdam, The Netherlands, June 16-20th 2013
Comprehensive Two-dimensional Liquid Chromatography in Food Analysis
Paola Dugo, Paola Donato, Francesco Cacciola, Luigi Mondello
Comunicazione Orale a Invito
- 730** HPLC 2013, 39th International Symposium on High Performance Liquid Phase Separations and Related Techniques, Amsterdam, The Netherlands, June 16-20th 2013
Development of an NARP-UHPLC-MS method for the analysis of milk triacylglycerols
Marco Beccaria, Giuseppe Sullini, Paola Donato, Carla Ragonese, Marina Russo, Francesco Cacciola, Paola Dugo, Luigi Mondello
Comunicazione Poster
- 731** HPLC 2013, 39th International Symposium on High Performance Liquid Phase Separations and Related Techniques, Amsterdam, The Netherlands, June 16-20th 2013
Employment of a Stop-Flow Technique in Comprehensive Two-Dimensional Liquid Chromatography for Fish Oil Analysis
Marco Beccaria, Giuseppe Sullini, Paola Donato, Francesco Cacciola, Ivana Bonaccorsi, Antonella Cotroneo, Paola Dugo, Luigi Mondello
Comunicazione Poster
- 732** 3rd European Lipidomics Meeting, Pardubice, Czech Republic, July 2-4th 2013
Development of a comprehensive two-dimensional liquid chromatography system combined with mass spectrometry detection for phospholipid analysis
Francesco Cacciola, Paola Donato, Nermeen Fawzy, Paola Dugo, Luigi Mondello
Comunicazione Orale

- 733** 3rd European Lipidomics Meeting, Pardubice, Czech Republic, July 2-4th 2013
Detailed analysis of the saponifiable and unsaponifiable fractions of animal and vegetable lipids by using comprehensive 2D GC
Peter Q. Tranchida, Simona Salivo, Ivana Bonaccorsi, Antonella Cotroneo, Francesco Cacciola, Paola Dugo, Luigi Mondello
Comunicazione Poster
- 734** EUROanalysis 2013, 17th European Conference on Analytical Chemistry, “Analytical chemistry for human well-being and sustainable development”, Warsaw, 25–29 August 2013
Assessing new liquid chromatography/mass spectrometry methods for lipid evaluation in health and disease
Paola Donato, Francesco Cacciola, Nermeen Fawzy, Marco Beccaria, Paola Dugo, Luigi Mondello
Comunicazione Orale
- 735** EUROanalysis 2013, 17th European Conference on Analytical Chemistry, “Analytical chemistry for human well-being and sustainable development”, Warsaw, 25–29th August 2013
Elucidation of the triacylglycerol content of a fish oil (menhaden) sample by using comprehensive two-dimensional liquid chromatography in the stop-flow mode
Paola Donato, Francesco Cacciola, Nermeen Fawzy, Marco Beccaria, Giuseppe Sullini, Paola Dugo, Luigi Mondello
Comunicazione Poster
- 736** EUROanalysis 2013, 17th European Conference on Analytical Chemistry, “Analytical chemistry for human well-being and sustainable development”, Warsaw, 25–29th August 2013
Enhanced elucidation of complex samples by using a multidimensional LC-GC/MS system
Danilo Sciarrone, Luigi Mondello
Comunicazione Orale a Invito
- 737** EUROanalysis 2013, 17th European Conference on Analytical Chemistry, “Analytical chemistry for human well-being and sustainable development”, Warsaw, 25–29th August 2013
LC coupled to comprehensive GCxGC/MS: a powerful approach for highly-detailed essential oil analysis
Danilo Sciarrone, Mario Zoccali, Ivana Bonaccorsi, Peter Quinto Tranchida, Paola Dugo, Giovanni Dugo, Luigi Mondello
Comunicazione Poster
- 738** EUROanalysis 2013, 17th European Conference on Analytical Chemistry, “Analytical chemistry for human well-being and sustainable development”, Warsaw, 25–29th August 2013
Fast SPME GC coupled with high-speed triple quadrupole mass spectrometry for the untargeted and targeted analysis of tea samples
Danilo Sciarrone, Flavio Franchina, Mariosimone Zoccali, Peter Tranchida, Paola Dugo, Luigi Mondello

Comunicazione Poster

- 739** 44th International Symposium on Essential Oils, ISEO 2013, Budapest, September 08-12th 2013.
Sciarrone D., Pantò S., Tranchida P.Q., Dugo P., Mondello L.
On-line LC-MD-GC-PREP system for the isolation of high amounts of pure components

Comunicazione Orale

- 740** 44th International Symposium on Essential Oils, ISEO 2013, Budapest, September 08-12th 2013.
Fast gas chromatography combined with a high-speed triple quadrupole mass spectrometer for the analysis of unknown and target Citrus essential oil volatiles
Zoccali M., Franchina F., Sciarrone D., Bonaccorsi I., Tranchida P.Q., Dugo P., Dugo G., Mondello L.

Comunicazione Poster

- 741** 44th International Symposium on Essential Oils, ISEO 2013, Budapest, September 08-12th 2013.
A new powerful approach for highly-detailed essential oil analysis: the off-line combination of high-performance liquid chromatography and comprehensive two-dimensional gas chromatography-mass spectrometry
Zoccali M., Sciarrone D., Bonaccorsi I., Tranchida P.Q., Dugo P., Dugo G., Mondello L.

Comunicazione Poster

- 742** 44th International Symposium on Essential Oils, ISEO 2013, Budapest, September 08-12th 2013.
Qualitative and quantitative analysis of Tunisian Rosa spp. essential oils by means of gas chromatography (GC-FID) and gas chromatography-mass spectrometry (GC-MS)
Sciarrone D., De Grazia S., Ouerghemmi S., Sebei H., Cristiani M. Cimino F., Zanutto A., Costa R., Mondello L.

Comunicazione Poster

- 743** Workshop "Modern scientific and analytical equipment and its application for quality evaluation of plant material", Warsaw, September 16-17th 2013.
Advanced GC techniques applied to the analysis of plant extracts
Rosaria Costa, Luigi Mondello

Comunicazione Orale

- 744** Trends in Food Analysis VII, Gent, Belgium, September 19th 2013.
Sampling and sample preparation in food analysis

Luigi Mondello

Comunicazione Orale ad Invito (160)

- 745** Seminar Comprehensive Chromatografie Shimadzu Benelux 2013, September 20th 2013.
Comprehensive Chromatography Techniques coupled to MS for the Analysis of Biological Active Molecules, Functional Foods and Nutraceuticals
Luigi Mondello

- 746** I Prodotti Ittici tra Sicurezza e Benessere, Hotel Villa favorita Marsala, Trapani, Italia, 20-21 Settembre 2013
Approcci cromatografici innovativi per la determinazione del profilo lipidico di oli di pesce
Paola Dugo, Peter Tranchida, Luigi Mondello
Comunicazione Orale
- 747** 19th International Symposium on Separation Sciences
25-28 September 2013, Poreč, Croatia
Advanced liquid chromatography techniques for the screening of lipid molecules in food
Francesco Cacciola, Paola Donato, Marco Beccaria, Paola Dugo, Antonella Cotroneo, Luigi Mondello
Comunicazione Orale
- 748** 19th International Symposium on Separation Sciences, 25-28 September 2013, Poreč, Croatia
High sensitivity flow-modulated comprehensive two-dimensional gas chromatography-mass spectrometry
Peter Q. Tranchida, Flavio A. Franchina, Mariosimone Zoccali, Paola Dugo, Luigi Mondello
Comunicazione Orale
- 749** 19th International Symposium on Separation Sciences
25-28 September 2013, Poreč, Croatia
Rapid, simple and efficient untargeted and targeted analysis by using a high-speed GC-MSMS system
Peter Q. Tranchida, Flavio A. Franchina, Mariosimone Zoccali, Paola Dugo, Luigi Mondello
Comunicazione Orale a Invito
- 750** 19th International Symposium on Separation Sciences, 25-28 September 2013, Poreč, Croatia
Fast SPME GC coupled with high-speed triple quadrupole mass spectrometry for the untargeted and targeted analysis of tea samples
Flavio A. Franchina, Mariosimone Zoccali, Peter Q. Tranchida, Rosaria Costa, Paola Dugo, Luigi Mondello
Comunicazione Poster
- 751** 19th International Symposium on Separation Sciences
25-28 September 2013, Poreč, Croatia
Fast gas chromatography combined with a high-speed triple quadrupole mass spectrometer for the analysis of unknown and target citrus essential oil volatiles
Flavio A. Franchina, Peter Q. Tranchida, Ivana Bonaccorsi, Luisa Schipilliti, Paola Dugo, Luigi Mondello
Comunicazione Poster
- 752** 19th International Symposium on Separation Sciences, 25-28 September 2013, Poreč, Croatia

- Determination of bio-active polyphenol components of pepper fruit *Capsicum annuum* L. by liquid chromatography coupled to mass spectrometry detection
Meriem Mokhtar, Jan Soukup, Paola Donato, Francesco Cacciola, Paola Dugo, Ali Riazi, Pavel Jandera, Luigi Mondello
Comunicazione Poster
- 753** Workshop Shimadzu “Soluzioni innovative dedicate al settore analitico”, 04 Ottobre 2013, Torino.
LCxLC-IT-TOF: applicazioni in campo alimentare
Francesco Cacciola, Paola Donato, Paola Dugo, Luigi Mondello
Comunicazione Orale
- 754** ITP 2013, 20th International Symposium on Electro- and Liquid Phase-Separation Techniques, October 6-9, 2013, Tenerife, Canary Islands (Spain).
Liquid Chromatography and Mass Spectrometry: a powerful tool for lipid analysis
Luigi Mondello, Paola Donato, Marco Beccaria, Francesco Cacciola, and Paola Dugo
Comunicazione Orale ad Invito (162)
- 755** ITP 2013, 20th International Symposium on Electro- and Liquid Phase-Separation Techniques, October 6-9, 2013, Tenerife, Canary Islands (Spain).
Emerging analytical strategies for the characterization of food bioactives
Paola Dugo, Francesco Cacciola, Paola Donato, Jan Soukup, Pavel Jandera, and Luigi Mondello
Comunicazione Orale a Invito
- 756** ITP 2013, 20th International Symposium on Electro- and Liquid Phase-Separation Techniques, October 6-9, 2013, Tenerife, Canary Islands (Spain).
Nano-liquid chromatography approach for the analysis of phenolic compounds in different foods
Chiara Fanali, Anna Rocco, Laura Dugo, Paola Dugo, Luigi Mondello
Comunicazione Orale
- 757** 3rd MS Food Day, October 9-11, 2013, Trento, Italy. Elucidation of the triacylglycerol fraction of menhaden fish oil by using ultra high-pressure NARP-LC/IT-TOF
Paola Donato, Ivana Bonaccorsi, Marco Beccaria, Francesco Cacciola, Giuseppe Sullini, Antonella Cotroneo, Paola Dugo, Luigi Mondello
Comunicazione Orale
- 758** Workshop: Giornata di Studio di Scienza delle Separazioni
11 ottobre 2013, Università degli Studi "G. d'Annunzio" Dipartimento di Farmacia, Chieti-Pescara, Sviluppo di tecniche cromatografiche bidimensionali (2D LC/PDA/MS) per l'analisi di matrici complesse: hardware, software ed applicazioni scelte.
Paola Donato, Francesco Cacciola, Paola Dugo, Luigi Mondello
Comunicazione Orale
- 759** 36° CONGRESSO NAZIONALE DELLA SOCIETÀ ITALIANA DI FARMACOLOGIA, Torino, 23-26 ottobre 2013

- Antioxidant activities of extracts obtained from two wild Algerian medicinal drugs: *Rhamnus alaternus* L. stem bark and *Retama sphaerocarpa* L. fruits.
S. Boussahel, S.S Dahamna, D.Ferrari, F. Cacciola, P. Donato, P. Dugo, L. Mondello, F. Cimino, M. Cristani
Comunicazione Poster
- 760** Switzerland Mass Spec Society, Dorint Resort Blüemlisalp Beatenberg, October 31-November 1, 2013
Development and application of a comprehensive liquid chromatography method coupled to photo-diode array and mass spectrometry detection
Paola Donato, Francesco Cacciola, Paola Dugo, Luigi Mondello
Comunicazione Orale
- 761** 6th International Symposium on Recent Advances in Food Analysis, Prague, Czech Republic, November 5-8, 2013.
Fast, easy and efficient untargeted and targeted food analysis by using a novel high-speed GC-MS/MS system
Peter Q. Tranchida, Luigi Mondello
Comunicazione Orale a Invito
- 762** 6th International Symposium on Recent Advances in Food Analysis, Prague, Czech Republic, November 5-8, 2013.
Potential and advantages of using a high performance liquid chromatography pre-separation step, prior to comprehensive two-dimensional gas chromatography-mass spectrometry essential oil analysis
Mariosimone Zoccali, Danilo Sciarone, Peter Q. Tranchida, Flavio A. Franchina, Paola Dugo, Luigi Mondello
Comunicazione Orale
- 763** 6th International Symposium on Recent Advances in Food Analysis, Prague, Czech Republic, November 5-8, 2013.
Mariosimone Zoccali, Flavio A. Franchina, A, Peter Q. Tranchida, Ana Gabriela Buglia, Paola Dugo, Luigi Mondello
Fast GC combined with a high-speed triple quadrupole mass spectrometer for the simultaneous analysis of unknown and target *Citrus* essential oil analytes
Comunicazione Poster
- 764** 6th International Symposium on Recent Advances in Food Analysis, Prague, Czech Republic, November 5-8, 2013.
Mariosimone Zoccali, Peter Q. Tranchida, Sebastiano Pantò, Carla Ragonese, Paola Dugo, Luigi Mondello
Fast SPME GC coupled with high-speed triple quadrupole mass spectrometry for the simultaneous analysis of untargeted and targeted tea volatiles
Comunicazione Poster
- 765** “I giovani e la spettrometria di massa 2013” 4 MS-J-Day, Potenza, Italy, 14 Novembre 2013
Luigi Mondello
Comprehensive Chromatography Techniques coupled to MS for the Analysis of Biological Active Molecules, Functional Foods and Nutraceuticals
Comunicazione Orale ad Invito (163)

- 766** Incontri di Scienza delle Separazioni, Il contributo della scienza delle separazioni alle problematiche alimentari ed ambientali, Messina, 28-29 novembre 2013
Francesca Rigano, Marina Russo, Danilo Sciarrone, Peter Q. Tranchida, Luigi Mondello
 SVILUPPO DI UN SISTEMA NANOLC-EIMS PER LA COSTRUZIONE DI UN DATABASE DI SPETTRI DI MASSA DI COMPOSTI NON VOLATILI
Comunicazione Orale
- 767** Incontri di Scienza delle Separazioni, Il contributo della scienza delle separazioni alle problematiche alimentari ed ambientali, Messina, 28-29 novembre 2013
 SVILUPPO DI METODICHE ANALITICHE AVANZATE PER L'ANALISI DI TRIACILGLICEROLI IN CAMPIONI COMPLESSI (OLI DI PESCE)
Giuseppe Sullini, Marco Beccaria, Paola Donato, Francesco Cacciola, Paola Dugo, Luigi Mondello
Comunicazione Orale
- 768** Incontri di Scienza delle Separazioni, Il contributo della scienza delle separazioni alle problematiche alimentari ed ambientali, Messina, 28-29 novembre 2013
Simona Salivo, Peter Q. Tranchida, Paola Dugo, Luigi Mondello
 ANALISI DELLA FRAZIONE INSAPONIFICABILE DI LIPIDI PROVENIENTI DA VARI TIPI DI LATTE MEDIANTE GC COMPREHENSIVE E SIMULTANEA RIVELAZIONE MS/FID, IN SINERGIA CON UN SISTEMA TOF AD ALTA RISOLUZIONE PER LA DELUCIDAZIONE STRUTTURALE
Comunicazione Orale
- 769** Incontri di Scienza delle Separazioni, Il contributo della scienza delle separazioni alle problematiche alimentari ed ambientali, Messina, 28-29 novembre 2013
Mariosimone Zoccali, Peter Q. Tranchida, Giovanni Dugo, Luigi Mondello
 BENEFICI DELL'APPROCCIO "OFF-LINE" LC-GCxGC IN COMBINAZIONE CON UNO SPETTROMETRO DI MASSA PER LO STUDIO DI OLI ESSENZIALI DI CITRUS
Comunicazione Poster
- 770** Incontri di Scienza delle Separazioni, Il contributo della scienza delle separazioni alle problematiche alimentari ed ambientali, Messina, 28-29 novembre 2013
Marina Russo, Veronica Inferrera, Francesca Rigano, Paola Dugo, Luigi Mondello
 UTILIZZO DI UN SISTEMA LC PREPARATIVO MULTIDIMENSIONALE PER L'ISOLAMENTO DI MOLECOLE BIOLOGICAMENTE ATTIVE DA MATRICI NATURALI
Comunicazione Poster
- 771** Incontri di Scienza delle Separazioni, Il contributo della scienza delle separazioni alle problematiche alimentari ed ambientali, Messina, 28-29 novembre 2013
Sebastiano Pantò, Danilo Sciarrone, Peter Q. Tranchida, Luigi Mondello
 ACCOPPIAMENTO ON-LINE DI UN SISTEMA LC-MDGC-PREP PER L'ISOLAMENTO DI COMPOSTI PURI
Comunicazione Poster

- 772 Incontri di Scienza delle Separazioni, Il contributo della scienza delle separazioni alle problematiche alimentari ed ambientali, Messina, 28-29 novembre 2013
Elisa Grasso, Carla Ragonese, Danilo Sciarrone, Luigi Mondello
 VALUTAZIONE DI UNA FASE STAZIONARIA A LIQUIDI IONICI DI MEDIA POLARITÀ PER L'ANALISI DI UN OLIO ESSENZIALE DI MENTA PIPERITA
Comunicazione Poster
- 773 Incontri di Scienza delle Separazioni, Il contributo della scienza delle separazioni alle problematiche alimentari ed ambientali, Messina, 28-29 novembre 2013
Selenia De Grazia, Marina Russo, Elisa Grasso, Rosaria Costa, Paola Dugo, Luigi Mondello
 INDAGINE SULLA FRAZIONE ETEROCICLICA OSSIGENATA DEL SUCCO DI LIMETTA (CITRUS AURANTIFOLIA (CHRISTM) SWINGLE)
Comunicazione Poster
- 774 Incontri di Scienza delle Separazioni, Il contributo della scienza delle separazioni alle problematiche alimentari ed ambientali, Messina, 28-29 novembre 2013
Flavio A. Franchina, Peter Q. Tranchida, Paola Dugo, Luigi Mondello
 GASCROMATOLOGRAFIA MULTIDIMENSIONALE COMPREHENSIVE CON MODULAZIONE A FLUSSO: SVILUPPO DI UN NUOVO APPROCCIO ANALITICO
Comunicazione Poster
- 775 Incontri di Scienza delle Separazioni, Il contributo della scienza delle separazioni alle problematiche alimentari ed ambientali, Messina, 28-29 novembre 2013
L. Schipilliti, I. Bonaccorsi, P. Dugo, L. Mondello
 DETERMINAZIONE DELLA TRACCIABILITÀ DI MATRICI COMPLESSE NATURALI DI INTERESSE ALIMENTARE MEDIANTE LA GASCROMATOLOGRAFIA ACCOPPIATA ALLA SPETTROMETRIA DI MASSA A RAPPORTO ISOTOPICO DEL CARBONIO (GC-C-IRMS)
Comunicazione Poster
- 776 Incontri di Scienza delle Separazioni, Il contributo della scienza delle separazioni alle problematiche alimentari ed ambientali, Messina, 28-29 novembre 2013
Gabriel Mazzi Leme, Francesco Cacciola, Paola Donato, Alberto José Cavalheiro, Paola Dugo, Luigi Mondello
 SVILUPPO DI UN METODO MULTIDIMENSIONALE "LC×LC" PER L'ANALISI DI METABOLITI IN SUGARCANE (*Saccharum officinarum* L.)
Comunicazione Poster
- 777 13th International Symposium on Hyphenated Techniques in Chromatography, Bruges, Belgium, January 28-31, 2014.
 Peter Tranchida, Flavio Franchina, Mariosimone Zoccali, Paola Dugo, Luigi Mondello
 A new analytical perspective in flow-modulated comprehensive two-dimensional gas chromatography
 Comunicazione Orale
- 778 13th International Symposium on Hyphenated Techniques in Chromatography, Bruges, Belgium, January 28-31, 2014.

- Luigi Mondello, Danilo Sciarrone, Sebastiano Pantò, Peter Q. Tranchida
Rapid collection of high solute amounts by using an on-line four-dimensional LC-GC-GC-GC preparative instrument
Comunicazione Orale ad Invito (164)
- 779** 13th International Symposium on Hyphenated Techniques in Chromatography, Bruges, Belgium, January 28-31, 2014.
Peter Q. Tranchida and Luigi Mondello
Unique analytical potential of a novel tandem MS instrument in GC-based analyses
Comunicazione Orale
- 780** 13th International Symposium on Hyphenated Techniques in Chromatography, Bruges, Belgium, January 28-31, 2014.
Flavio Antonio Franchina, Peter Quinto Tranchida, Mariosimone Zoccali, Paola Dugo, Luigi Mondello
High sensitivity flow-modulated two-dimensional gas chromatography-mass spectrometry
Comunicazione Poster
- 781** 13th International Symposium on Hyphenated Techniques in Chromatography, Bruges, Belgium, January 28-31, 2014.
Flavio Antonio Franchina, Peter Quinto Tranchida, Mariosimone Zoccali, Paola Dugo, Luigi Mondello
Benefits of using High-Performance Liquid Chromatography pre/separation step, prior to comprehensive two/dimensional gas chromatography-mass spectrometry essential oil analysis
Comunicazione Poster
- 782** 13th International Symposium on Hyphenated Techniques in Chromatography, Bruges, Belgium, January 28-31, 2014.
Flavio Antonio Franchina, Peter Quinto Tranchida, Mariosimone Zoccali, Paola Dugo, Luigi Mondello
Fast SPME-GC coupled with triple quadrupole mass spectrometry for the simultaneous untargeted and targeted analysis of foods
Comunicazione Poster
- 783** Workshop: Giornata di Studio di Scienza delle Separazioni
Paola Donato, Francesco Cacciola, Paola Dugo, Luigi Mondello
Ordine Interregionale dei Chimici del Lazio, Umbria, Abruzzo, Molise, Rome, Italy, February 28, 2014.
Sviluppo di tecniche cromatografiche bidimensionali (2D LC/PDA/MS) per l'analisi di matrici complesse: hardware, software ed applicazioni scelte
Comunicazione Orale
- 784** Pittcon Conference & Expo 2014, Chicago, IL, USA, March 2-6, 2014
Paola Dugo, Francesco Cacciola, Paola Donato, Luigi Mondello
MULTIDIMENSIONAL LIQUID CHROMATOGRAPHY APPROACHES IN FOOD ANALYSIS
Comunicazione Orale a Invito

- 785** Scuola Avanzata di Spettrometria di Massa e Tecniche Complementari, Milano, 10-14 Marzo 2014
Luigi Mondello
 Teoria degli Accoppiamenti GC/MS
Comunicazione Orale ad Invito (165)
- 786** Omega-3 fatty acids in health and disease, Università Campus Bio-Medico, Rome, March 13-14, 2014
Luigi Mondello
 Innovative analytical approaches for the determination of health-promoting and pathogenic fatty acids
Comunicazione Orale (34)
- 787** Spring Meeting “Fruhling in Amsterdam”, Deutsche Gesellschaft der Parfumeure in der Sepawa, April 10-11, 2014
 Giovanni Dugo, Luigi Mondello, Paola Dugo
 Italian *Citrus* Oils: Methods of analysis
 Comunicazione Orale a Invito
- 788** NVMS, 50th Anniversary Congress on Mass Spectrometry, Abdij van Rolduc, The Netherlands, April 13-15, 2014
Paola Donato, Francesca Rigano, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Comprehensive LC×LC-MS-MS: Application to Challenging Food Case-Study
Comunicazione Orale a Invito
- 789** MSB 2014, 30th International Symposium on MicroScale Bioseparations, Pécs, Hungary, April 27 - May 1, 2014
Francesco Cacciola, Paola Donato, Paola Dugo, Luigi Mondello
 Advanced Liquid Chromatography Techniques for proteomic analysis
Comunicazione Poster
- 790** MSB 2014, 30th International Symposium on MicroScale Bioseparations, Pécs, Hungary, April 27 - May 1, 2014
 Flavio A. Franchina, Maria E. Machado, Claudia Zini, Elina B. Caramao, Peter Q. Tranchida, Francesco Cacciola, Luigi Mondello
 Characterization of organic sulfur compounds in fossil fuels using flow modulated comprehensive two-dimensional gas chromatography and tandem mass spectrometry detector
Comunicazione Poster
- 791** HPLC 2014, 30th International Symposium on High Performance Liquid Phase Separations and Related Techniques, New Orleans, Louisiana, USA, May 11-15, 2014
Paola Dugo, Francesco Cacciola, Paola Donato, Luigi Mondello
 Comprehensive Two-Dimensional Liquid Chromatography Coupled To Mass Spectrometry For Food Applications
Comunicazione Orale a Invito

- 792** HPLC 2014, 30th International Symposium on High Performance Liquid Phase Separations and Related Techniques, New Orleans, Louisiana, USA, May 11-15, 2014
Paola Donato, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Advances in Comprehensive Two-Dimensional Chromatography
Comunicazione Orale a Invito
- 793** HPLC 2014, 30th International Symposium on High Performance Liquid Phase Separations and Related Techniques, New Orleans, Louisiana, USA, May 11-15, 2014
Paola Donato, Francesco Cacciola, Nermeen Fawzy, Marco Beccaria, Paola Dugo, Luigi Mondello
 Assessing New Liquid Chromatography/Mass Spectrometry Methods for Lipid Evaluation in Health and Disease
Comunicazione Poster
- 794** HPLC 2014, 30th International Symposium on High Performance Liquid Phase Separations and Related Techniques, New Orleans, Louisiana, USA, May 11-15, 2014
 Francesca Rigano, Marina Russo, Danilo Sciarrone, Paola Donato, Paola Dugo, Luigi Mondello
 Development of a NanoLC-EIMS Method for the Analysis of Semi/Non Volatile Chemicals
Comunicazione Poster
- 795** HPLC 2014, 30th International Symposium on High Performance Liquid Phase Separations and Related Techniques, New Orleans, Louisiana, USA, May 11-15, 2014
 Marco Beccaria, Giorgia Purcaro, Antonio Aloisi, Angela Marra, Paola Donato, Lanfranco Conte, Paola Dugo, Luigi Mondello
 Reliability of the Δ ECN42 Limit and Global Method for Extra Virgin Olive Oil Purity Assessment using Different Analytical Approaches
Comunicazione Poster
- 796** HPLC 2014, 30th International Symposium on High Performance Liquid Phase Separations and Related Techniques, New Orleans, Louisiana, USA, May 11-15, 2014
 Veronica Infrerra, Marina Russo, Giusy Tripodo, Paola Donato, Paola Dugo, Luigi Mondello
 Identification and Quantification of Bioactive Molecules in Industrial Processing By-products by Means of HPLC/PDA/MS
Comunicazione Poster
- 797** HPLC 2014, 30th International Symposium on High Performance Liquid Phase Separations and Related Techniques, New Orleans, Louisiana, USA, May 11-15, 2014
Paola Donato, Francesco Cacciola, Francesca Rigano, Daniele Giuffrida, Paola Dugo, Luigi Mondello
 On-line Two-dimensional Liquid Chromatography-triple Quadrupole Mass Spectrometry for Enhanced Resolution and Sensitivity: Application to a Challenging Food-case Study I.

Comunicazione Poster

- 798** HPLC 2014, 30th International Symposium on High Performance Liquid Phase Separations and Related Techniques, New Orleans, Louisiana, USA, May 11-15, 2014
Paola Donato, Francesco Cacciola, Francesca Rigano, Paola Dugo, Luigi Mondello
On-line Two-dimensional Liquid Chromatography-triple Quadrupole Mass Spectrometry for Enhanced Resolution and Sensitivity: Application to a Challenging Food-case Study II.
Comunicazione Poster
- 799** HPLC 2014, 30th International Symposium on High Performance Liquid Phase Separations and Related Techniques, New Orleans, Louisiana, USA, May 11-15, 2014
Marina Russo, Veronica Infrerra, Francesca Rigano, Paola Donato, Paola Dugo, Luigi Mondello
Multidimensional LC Preparative System Coupled with a Mass Spectrometer for Isolation of Bioactive Molecules
Comunicazione Poster
- 800** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014
Paola Dugo, Paola Donato, Francesco Cacciola, Luigi Mondello
Comprehensive 2D-LC: a rapid evolution of a powerful technique
Comunicazione Orale a Invito
- 801** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Peter Q. Tranchida, Flavio A. Franchina, Paola Dugo, Luigi Mondello
Flow-modulated GC×low-pressureGC: a novel approach for high resolution/sensitivity GC separations
Comunicazione Orale a Invito
- 802** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014
Ivana Bonaccorsi, Luisa Schipilliti, Luigi Mondello
Gas Chromatography-Combustion-Carbon Isotope Mass Spectrometry (GC-C-IRMS) for the traceability of natural compounds
Comunicazione Orale
- 803** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014
Giuseppe Sullini, Paola Donato, Marco Beccaria, Francesco Cacciola, Paola Dugo, Luigi Mondello
Coupling of new silver thiolate and monodisperse materials in Comprehensive Two-Dimensional Liquid Chromatography for truly orthogonal lipid separation
Comunicazione Orale
- 804** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014

- Chiara Fanali, Anna Rocco, Laura Dugo, Paola Dugo, Luigi Mondello
Analysis of principal flavonoids in Citrus juices by Nano-LC and determination of their antioxidant activity
Comunicazione Orale
- 805** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Mariosimone Zoccali, Flavio A. Franchina, Maria E. Machado, Claudia Zini, Elina B. Caramao, Peter Q. Tranchida, Luigi Mondello
On-line liquid chromatography-comprehensive 2D gas chromatography-triple quad mass spectrometry: a powerful and flexible 4D separation-science tool
Comunicazione Orale
- 806** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Simona Salivo, Flavio A. Franchina, Peter Q. Tranchida, Paola Dugo, Luigi Mondello
Flow-modulated comprehensive 2D gas chromatography combined with high-resolution time-of-flight mass spectrometry
Comunicazione Orale
- 807** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Novel powerful MS strategies in Comprehensive 2D LC
P. Donato, F. Cacciola, F. Rigano, P. Dugo, L. Mondello
Comunicazione Orale a Invito
- 808** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
F. Franchina, P.Q. Tranchida, L. Mondello
Double-oven Comprehensive 2D GC Combined with a Rapid Triple-quadrupole Mass Spectrometer
Comunicazione Orale a Invito
- 809** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
S. Salivo, P.Q. Tranchida, L. Mondello
Use of High-resolution TOFMS in GC-based Food Analysis
Comunicazione Orale a Invito
- 810** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Sara Granafai, Simona Salivo, Peter Q. Tranchida, Luigi Mondello, Francesco Palmisano, Tommaso R. Cataldi
Fatty acids composition of the Gram-negative bacterium *Rhodobacter Spheroides*
Comunicazione Poster
- 811** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Mariosimone Zoccali, Peter Q. Tranchida, Paola Dugo, Luigi Mondello

The on-line combination of liquid chromatography-large volume injection-comprehensive two-dimensional gas chromatography-triple quad mass spectrometry: a powerful four-dimensional separation-science tool
Comunicazione Poster

- 812** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Sebastiano Pantò, Danilo Sciarrone, Mariarosa Maimone, Peter Q. Tranchida, Paola Dugo, Luigi Mondello
Rapid isolation of high solute amounts by using an on-line four-dimensional preparative system: normal phase-liquid chromatography coupled to methyl siloxane-ionic liquid-wax phase gas chromatography
Comunicazione Poster
- 813** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Mariarosa Maimone, Sebastiano Pantò, Danilo Sciarrone, Peter Q. Tranchida, Paola Dugo, Luigi Mondello
Construction of a vapour phase Fourier-transform infrared spectroscopy database for the correct identification of components contained in complex mixtures
Comunicazione Poster
- 814** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Laurent Boisaubert, Valeria Manzin, Peter Tranchida, Luigi Mondello
Characterization of sebum lipids using comprehensive two-dimensional gas chromatography combined with rapid-scanning quadrupole mass spectrometry
Comunicazione Poster
- 815** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Maria E. Machado, Flavio A. Franchina, Claudia Zini, Elina B. Caramao, Peter Q. Tranchida, Luigi Mondello
“Characterization of organic sulfur compounds in fossil fuels using flow-modulated Comprehensive Two-dimensional Gas Chromatography and Tandem Mass Spectrometry”.
Comunicazione Poster
- 816** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Simona Salivo, Marco Piparo, Peter Q. Tranchida, Paola Dugo, Luigi Mondello
Detailed elucidation of the unsaponifiable fraction of lipids by using enhanced peak capacity chromatography and high-resolution mass spectrometry processes
Comunicazione Poster
- 817** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Flavio A. Franchina, Marco Beccaria, Simona Salivo, Peter Q. Tranchida, Luigi Mondello

Detailed lipid characterization of lemon seed oil by using advanced chromatography methods in combination with mass spectrometry
Comunicazione Poster

- 818** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Mariosimone Zoccali, Peter Q. Tranchida, Paola Dugo, Giovanni Dugo, Luigi Mondello
The off-line combination of high performance liquid chromatography and comprehensive two-dimensional gas chromatography mass spectrometry: a new powerful approach for highly-detailed essential oil analysis
Comunicazione Poster
- 819** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Elisa Grasso, Carla Ragonese, Danilo Sciarrone, Paola Dugo, Luigi Mondello
“Evaluation of an ionic liquid stationary phase in the analysis of bergamot essential oil”
Comunicazione Poster
- 820** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Rosaria Costa, Elisa Grasso, Paola Dugo, Luigi Mondello
Application of in vivo SPME to the determination of pesticides living claims
Comunicazione Poster
- 821** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Paola Donato, Ivana Bonaccorsi, Veronica Inferrera, Marco Beccaria, Andrea Perissi, Paola Dugo, Luigi Mondello
Systematic approach to the study of non polar lipids in edible oils by supercritical fluid chromatography
Comunicazione Poster
- 822** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Ivana Bonaccorsi, Paola Donato, Veronica Inferrera, Andrea Perissi, Paola Dugo, Luigi Mondello
Supercritical fluid chromatography: a fast and green technique for carotenoid fingerprinting in foodstuffs
Comunicazione Poster
- 823** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Marina Russo, Veronica Inferrera, Paola Dugo, Luigi Mondello
Isolation of bioflavonoids from *Citrus* by-products by means of Multidimensional LC preparative system coupled with a mass spectrometer
Comunicazione Poster
- 824** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.

- Francesca Rigano, Danilo Sciarrone, Paola Dugo, Luigi Mondello
Analysis of low-volatility components by a nano-LC system coupled to an electron impact mass spectrometer
Comunicazione Poster
- 825** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Luisa Schipilliti, Ivana Bonaccorsi, Paola Dugo, Giovanni Dugo, Luigi Mondello
Characterization of secondary metabolites of Citrus plants by using Gas Chromatography hyphenated to Carbon Isotope Ratio Mass Spectrometry (GC-C-IRMS)
Comunicazione Poster
- 826** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Danilo Sciarrone, Sebastiano Pantò, Paola Dugo, Luigi Mondello
Collection of enantiomeric pure components by using a Multidimensional Gas Chromatographic Preparative System
Comunicazione Poster
- 827** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Selenia De Grazia, Rosaria Costa, Laura Tedone, Salvatore Ragusa, Luigi Mondello
Monodimensional (GC-FID and GC-MS) and Comprehensive Two-dimensional (GC×GC) Gas Chromatography for the assessment of volatiles and fatty acids from *Ruta chalepensis* L. plants
Comunicazione Poster
- 828** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Francesco Cacciola, Gabriel Mazzi Leme, Paola Donato, Alberto Jose Cavaleiro, Paola Dugo, Luigi Mondello
Continuous vs. segmented second dimension system gradients for Comprehensive Two-Dimensional Liquid Chromatography of sugarcane (*Saccharum Spp.*)
Comunicazione Poster
- 829** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Francesco Cacciola, Paola Donato, Francesca Rigano, Paola Dugo, Luigi Mondello
Increase the separation power of Two-Dimensional Liquid Chromatography through the use of shifted gradients for polyphenol determination in red wine
Comunicazione Poster
- 830** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Paola Donato, Francesco Cacciola, Francesca Rigano, Daniele Giuffrida, Paola Dugo, Luigi Mondello

The on-line hyphenation of Comprehensive Liquid Chromatography to Triple Quadrupole Mass Spectrometry for the elucidation of the carotenoid content in foodstuffs with high orthogonality and sensitivity
Comunicazione Poster

- 831** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Nermeen Girgis, Paola Donato, Francesco Cacciola, Paola Dugo, Luigi Mondello
Throughout investigation of Fused-core stationary phases coupled to Ion Trap-time of flight mass spectrometry detection for a Comprehensive elucidation of the total lipid profile of human plasma
Comunicazione Poster
- 832** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Veronica Inferrera, Giusy Tripodo, Marina Russo, Paola Dugo, Luigi Mondello
Characterization of bioactive molecules in extra virgin olive oil and in olive by-product by means of HPLC coupled with photodiode array and electrospray ionization mass spectrometry detection
Comunicazione Poster
- 833** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Meriem Mokhtar, Jan Soukup, Paola Donato, Francesco Cacciola, Paola Dugo, Ali Riazi, Pavel Jandera, Luigi Mondello
Determination of polyphenols in *Capsicum annum* l. by liquid chromatography coupled to mass spectrometry detection and evaluation of the biological activity
Comunicazione Poster
- 834** 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014.
Marco Beccaria, Giuseppe Sullini, Angela Marra, Paola Dugo, Luigi Mondello
Development of an off-line comprehensive two-dimensional liquid chromatography for triacylglycerol analysis in fish oil
Comunicazione Poster
- 835** ExTech 2014, 16th International Symposium on Advances in Extraction Technologies, Crete, Greece, May 25-28, 2014.
R. Costa, M. Beccaria, E. Grasso, L. Mondello
Sample Preparation Techniques coupled to Advanced Chromatographic Methods for Marine Organisms Investigation
Comunicazione Orale ad Invito (166)
- 836** ExTech 2014, 16th International Symposium on Advances in Extraction Technologies, Crete, Greece, May 25-28, 2014.
L. Mondello and M. Beccaria
Comprehensive Gas Chromatography coupled to MS/MS. An additional dimension for complex analysis and easier sample preparation
Comunicazione Orale ad Invito (167)

- 837** ExTech 2014, 16th International Symposium on Advances in Extraction Technologies, Crete, Greece, May 25-28, 2014.
M. Beccaria, R. Costa, E. Grasso, M. Oteri, G. Tripodo, P. Dugo, L. Mondello
 Application of Different Extraction Techniques for the Determination of Triacylglycerols by Multidimensional Liquid Chromatography in Fish from The Mediterranean Sea
Comunicazione Poster
- 838** ExTech 2014, 16th International Symposium on Advances in Extraction Technologies, Crete, Greece, May 25-28, 2014.
M. Beccaria, R. Costa, E. Grasso, A. Albergamo, L. Mondello
 Comparison of Different Extraction Procedures for the GC×GC Investigation of Fats in Fish and Shellfish
Comunicazione Poster
- 839** 8° MS-Pharmaday, Aboca-Sansepolcro, Italy, June 11-13, 2014
Francesco Cacciola, Paola Donato, Paola Dugo, Luigi Mondello
 Comprehensive liquid chromatography couplet to tandem mass spectrometry for the characterization of polyphenols in mate extracts
Comunicazione Orale
- 840** Il Progetto Be & Save “Lo scarto come valore aggiunto”, Dipartimento di scienze veterinarie, Messina, 12 Giugno, 2014
Luigi Mondello
 Approcci analitici ecocompatibili nell’ambito del progetto Be&Save per la determinazione di sostanze ad elevato potere bionutrizionale
Comunicazione Orale (35)
- 841** ASMS 2014, 62nd ASMS Conference on Mass Spectrometry and Allied Topics, SHIMADZU BREAKFAST SEMINARS, Baltimore, USA, June 15-19, 2014
Paola Donato, Luigi Mondello
 The Peaks Behind the Peaks: On-Line LCxLC-MS/MS strategies for unprecedented resolution and sensitivity
Comunicazione Orale
- 842** LC-MS 2014 Corso avanzato sull'accoppiamento della spettrometria di massa con tecniche di separazione in fase liquida, Lucca, 23-26 Giugno 2014
Paola Donato, Luigi Mondello
 Accoppiamento della Spettrometria di Massa con Tecniche di Cromatografia Liquida Multidimensionale
Comunicazione Orale
- 843** 10th European Pesticide Residue Workshop, Dublin, Ireland, June 30th - July 3rd, 2014
Danilo Sciarrone, Peter Tranchida, Luigi Mondello
 Fast and efficient untargeted and targeted analysis of pesticide in food by using a novel high- speed GC and GCxGC-MSMS system
Comunicazione Orale a Invito
- 844** 10th European Pesticide Residue Workshop, Dublin, Ireland, June 30th - July 3rd, 2014

Danilo Sciarrone, Peter Tranchida, Luigi Mondello

Fast and Efficient Untargeted and Targeted Analysis of Pesticides in Food by Using a Novel High-Speed GC and GCxGC-MSMS System

Comunicazione Poster

- 845** X CONGRESSO ITALIANO DI CHIMICA DEGLI ALIMENTI, Firenze, Italy, July 6- 10 2014
Peter Q. Tranchida, Flavio A. Franchina, Paola Dugo, Luigi Mondello
Comprehensive 2D gas chromatography combined with triple quadrupole mass spectrometry: a powerful tool for food analysis
Comunicazione Orale
- 846** 20th International Mass Spectrometry Conference, Geneva, Switzerland, August 24-29, 2014
Peter Q. Tranchida, Flavio A. Franchina, Paola Dugo and Luigi Mondello
“The combination of “fast” triple-quad MS with flow-modulated comprehensive 2D gas chromatography for the untargeted and targeted analysis of complex mixtures”
Comunicazione Poster
- 847** 20th International Symposium on Separation Science (ISSS 2014), Prague, Czech Republic, August 30-September 2, 2014
Luigi Mondello
COMPREHENSIVE TWO-DIMENSIONAL LIQUID CHROMATOGRAPHY COUPLED TO MASS SPECTROMETRY AS A POWERFUL TOOL IN FOOD ANALYSIS
Comunicazione Orale ad Invito (168)
- 848** 20th International Symposium on Separation Science (ISSS 2014), Prague, Czech Republic, August 30-September 2, 2014
Sebastiano Pantò, Danilo Sciarrone, Mariarosa Maimone, Peter Quinto Tranchida, Paola Dugo, Luigi Mondello
The on-line combination of liquid chromatography with a three-dimensional gas chromatography preparative instrument for the rapid collection of high amounts of pure solutes from complex mixtures
Comunicazione Orale
- 849** 20th International Symposium on Separation Science (ISSS 2014), Prague, Czech Republic, August 30-September 2, 2014
Pantò S., Sciarrone D., Maimone M., Tranchida P. Q., Dugo P., Mondello L.
VAPOUR PHASE FOURIER-TRANSFORM INFRARED SPECTROSCOPY FOR THE UNAMBIGUOUS IDENTIFICATION OF COMPONENTS IN COMPLEX MIXTURES
Comunicazione Poster

- 850** 20th International Symposium on Separation Science (ISSS 2014), Prague, Czech Republic, August 30-September 2, 2014
Sebastiano Pantò, Maria E. Machado, Flavio A. Franchina, Claudia Zini, Elina B. Caramao, Peter Q. Tranchida, Luigi Mondello
 Analysis of organic sulfur compounds in fossil fuel derivatives by means of a flow modulated comprehensive two-dimensional gas chromatographic system coupled to a triple-quadrupole mass spectrometer
 Comunicazione Poster
- 851** 45th International Symposium of Essential Oils (ISEO 2014), Istanbul, Turkey, September 07-10, 2014
 Danilo Sciarrone, Sebastiano Pantò, Francesco Cacciola, Luigi Mondello
 ADVANCED PREPARATIVE TECHNIQUES FOR THE COLLECTION OF PURE COMPONENTS FROM ESSENTIAL OILS
Comunicazione Orale ad Invito (169)
- 852** 45th International Symposium of Essential Oils (ISEO 2014), Istanbul, Turkey, September 07-10, 2014
Luigi Mondello
 Comprehensive Chromatography (GC×GC, LC×LC, LC-GC×GC/MS) approaches for the analysis of Essential Oils
Comunicazione Orale ad Invito (170)
- 853** 45th International Symposium of Essential Oils (ISEO 2014), Istanbul, Turkey, September 07-10, 2014
 Adriana Arigò, Marina Russo, Maria Luisa Calabrò, Paola Dugo, Luigi Mondello
 COLD-PRESSED LEMON ESSENTIAL OIL BY-PRODUCTS: ENHANCEMENT THROUGH BIOACTIVE MOLECULES ISOLATION
 Comunicazione Poster
- 854** 45th International Symposium of Essential Oils (ISEO 2014), Istanbul, Turkey, September 07-10, 2014
 Sebastiano Pantò, Danilo Sciarrone, Mariarosa Maimone, Peter Quinto Tranchida, Paola Dugo, Luigi Mondello
 Creation of a vapour phase Fourier-Transform infrared spectroscopy database as a tool for the identification of components in complex mixtures
 Comunicazione Poster
- 855** Simpósio Brasileiro de Cromatografia e Técnicas Afins (SIMCRO 2014), Campos do Jordão (SP), Brazil, September 4-6, 2014
 D.Tomasini, F.Cacciola, F.Rigano, D.Sciarrone, P.Donato, M.Beccaria, E.Caramão, P.Dugo, L.Mondello
 LIQUID CHROMATOGRAPHY METHODS FOR THE CHARACTERIZATION OF AQUEOUS PHASE FROM BIO-OILS
 Comunicazione Poster

- 856** 23° SILAE Congress Marsala, Italy, September 7-12, 2014
Bonaccorsi, I.L.; Donato, P.; Inferrera, V.; Dugo, P.; Mondello, L.
 FAST AND ECO-FRIENDLY ANALYSIS OF BIOACTIVE MOLECULE
 Comunicazione Orale
- 857** 23° SILAE Congress Marsala, Italy, September 7-12, 2014
Schipilliti, L., Bonaccorsi I., Dugo G., Dugo P., Mondello L.
 GENOTYPE CHARACTERIZATION OF HELICHRYSUM ITALICUM
 (ROTH) G. DON FIL. SUBSP. ITALICUM BY GAS CHROMATOGRAPHY
 - ISOTOPE RATIO MASS SPECTROMETRY.
 Comunicazione Orale
- 858** 23° SILAE Congress Marsala, Italy, September 7-12, 2014
 Costa, R.; Ragusa, S.; Bonaccorsi, I.; Zanutto, A.; Franchina, F.A.; Grasso, E. ;
 Mondello, L.
 COMPREHENSIVE GAS CHROMATOGRAPHIC (GC×GC) ANALYSIS OF
 ARTEMISIA ARBORESCENS L. (ASTERACEAE) FROM SOUTH ITALY
 Comunicazione Poster
- 859** 30th International Symposium on Chromatography (ISC 2014), Salzburg Austria,
 September 14-18, 2014
 Comprehensive two-dimensional gas chromatography mass spectrometry:
 theory, practical aspects and instrumentation
Luigi Mondello
Comunicazione Orale ad Invito (171)
- 860** 30th International Symposium on Chromatography (ISC 2014), Salzburg Austria,
 September 14-18, 2014
 Combining orthogonal multidimensional liquid chromatography approaches in
 food analysis
Francesco Cacciola, Paola Donato, Francesca Rigano, Ambrogina Albergamo,
 Paola Dugo, Luigi Mondello
 Comunicazione Orale
- 861** 30th International Symposium on Chromatography (ISC 2014), Salzburg Austria,
 September 14-18, 2014
 Mariosimone Zoccali, Flavio A. Franchina, Maria E. Machado, Claudia Zini,
 Elina B. Caramão, Peter Q. Tranchida, Luigi Mondello
 A powerful four-dimensional separation-science tool: on-line liquid
 chromatography-comprehensive two dimensional gas chromatography-triple
 quad mass spectrometry
 Comunicazione Orale
- 862** 30th International Symposium on Chromatography (ISC 2014), Salzburg Austria,
 September 14-18, 2014
Alessia Cioqli, Sergio Menta, Marco Pierini, Luigi Mondello, Claudio Villani,
 Francesco Gasparrini
 Silver ion Ultra-High-Performance Liquid Chromatography to resolve the
 complex mixtures of lipids
 Comunicazione Poster

- 863** 12th Euro Fed Lipid Congress, Montpellier, France, September 14-17, 2014.
Peter Q. Tranchida, Simona Salivo, Paola Dugo and Luigi Mondello
 Analysis of the saponifiable and unsaponifiable fractions of lipids by using
 comprehensive two-dimensional gas chromatography with mass
 spectrometry/flame ionization detection
 Comunicazione Poster
- 864** 12th Euro Fed Lipid Congress, Montpellier, France, September 14-17, 2014.
Marco Beccaria, Giorgia Purcaro, Peter Tranchida, Paola Dugo, Luigi Mondello
 Reliability of the Δ ECN42 limit and global method for extra vergin olive oil
 purity assessment using different analytical approaches
 Comunicazione Poster
- 865** The International Federation of Essential Oils and Aroma Trades, IFEAT 2014
 Rome, Italy, September 21-25, 2014
Luigi Mondello
 Authenticity of citrus essential oils through advanced analytical techniques
Comunicazione Orale ad Invito (172)
- 866** International Federation of Essential Oils and Aroma Trades, IFEAT 2014
 Rome, Italy, September 21-25, 2014
Paola Dugo, Luigi Mondello
 Chiral Short Course
 Comunicazione Orale a Invito
- 867** XV Congreso Latinoamericano de Cromatografía e Técnicas Afins (COLACRO
 2014), Cartagena de Indias, Colombia, September 29-October 3, 2014
 Peter Q. Tranchida, Flavio A. Franchina, Paola Dugo, Luigi Mondello
 Flow-modulated GC $\times$ low-pressure-GC: a novel approach for high
 resolution/sensitivity separations in gas chromatography
Comunicazione Orale ad Invito (173)
- 868** XV Congreso Latinoamericano de Cromatografía e Técnicas Afins (COLACRO
 2014), Cartagena de Indias, Colombia, September 29-October 3, 2014
Luigi Mondello
 Comprehensive Two-Dimensional Gas Chromatography
Comunicazione Orale ad Invito (174)
- 869** XV Congreso Latinoamericano de Cromatografía e Técnicas Afins (COLACRO
 2014), Cartagena de Indias, Colombia, September 29-October 3, 2014
Danilo Sciarrone and Luigi Mondello
 Liquid chromatography coupled to a three-dimensional gas chromatography
 preparative system for the rapid collection of high amounts of pure solutes from
 natural samples
 Comunicazione Orale
- 870** XV Congreso Latinoamericano de Cromatografía e Técnicas Afins (COLACRO
 2014), Cartagena de Indias, Colombia, September 29-October 3, 2014
 D.Tomasini, F.Cacciola, F.Rigano, D.Sciarrone, P.Donato, M.Beccaria,
E.Caramão, P.Dugo, L.Mondello

Complementary analytical liquid chromatography methods for the characterization of aqueous phase from pyrolysis of lignocellulosic biomasses
Comuncazione Poster

- 871** Novartis Vaccines Italia, Siena, Italy, October 23, 2014
Luigi Mondello
Comprehensive Liquid Chromatography (LC×LC) for the Analysis of Complex Samples
Siena, 23 Ottobre 2014
Comunicazione Orale ad Invito (175)
- 872** Incontri di Scienza delle Separazioni, Roma, 12 dicembre, 2014
Peter Q. Tranchida, Flavio A. Franchina, Paola Dugo, Luigi Mondello
GC multidimensionale “comprehensive” con modulazione a flusso: è questo il futuro delle separazioni GC ad alta risoluzione?
Comunicazione Orale a Invito
- 873** Incontri di Scienza delle Separazioni, Roma, 12 dicembre, 2014
Isolamento di molecole biologicamente attive per mezzo di cromatografia liquida preparativa multidimensionale
Marina Russo, Paola Dugo, Luigi Mondello
Comunicazione Orale
- 874** Incontri di Scienza delle Separazioni, Roma, 12 dicembre, 2014
Uso di tecniche cromatografiche multidimensionali preparative per l’isolamento di composti puri da campioni complessi
Mariarosa Maimone, Sebastiano Pantò, Danilo Sciarrone, Paola Dugo, Luigi Mondello
Comunicazione Orale
- 875** Incontri di Scienza delle Separazioni, Roma, 12 dicembre, 2014
Adriana Arigò, Marina Russo, Maria Luisa Calabrò, Paola Dugo, Luigi Mondello
Valorizzazione degli scarti dell’industria agroalimentare mediante l’isolamento di molecole bioattive
Comunicazione Orale
- 876** Incontri di Scienza delle Separazioni, Roma, 12 dicembre, 2014
Anna Rocco, Chiara Fanali, Giovanni D’Orazio, Laura Dugo, Luigi Mondello, Zeineb Aturki
Determinazione dei principali flavonoidi in integratori e matrici alimentari per mezzo della cromatografia liquida nano
Comunicazione Orale
- 877** The 18th Annual Meeting of the Israel Analytical Chemistry Society (ISRA 2015), Tel Aviv, Israel, January 14-15, 2015
L.Mondello
Comprehensive Liquid Chromatography (LC×LC) and Comprehensive Gas Chromatography (GC×GC) coupled to MS/MS for the Analysis of Environmental Samples. Advantages and Disadvantages.
Comunicazione Orale ad Invito (176)

- 878** The 18th Annual Meeting of the Israel Analytical Chemistry Society (ISRA 2015), Tel Aviv, Israel, January 14-15, 2015
Peter Q. Tranchida, Flavio A. Franchina, Paola Dugo, Luigi Mondello
 Comprehensive Two-Dimensional Gas Chromatography Combined with Single and Triple Quadrupole Mass Spectrometry: Powerful Unified Tools for the Analysis of Food Volatiles
 Comunicazione Orale
- 879** The 18th Annual Meeting of the Israel Analytical Chemistry Society (ISRA 2015), Tel Aviv, Israel, January 14-15, 2015
Peter Tranchida, Mariosimone Zoccali, Flavio Franchina, Luigi Mondello
 A powerful four-dimensional separation-science tool: on-line liquid chromatography-comprehensive two dimensional gas chromatography-triple quad mass spectrometry
 Comunicazione Poster
- 880** The 18th Annual Meeting of the Israel Analytical Chemistry Society (ISRA 2015), Tel Aviv, Israel, January 14-15, 2015
Marina Russo, Paola Donato, Francesco Cacciola, Debora Tomasini, Luigin Mondello
 A comprehensive reversed-phase liquid chromatography method with segmented gradient for the analysis of environmental samples
 Comunicazione Poster
- 881** Ritmare. Acquicoltura. Pesce allevato: qualità e sicurezza. Messina, 20 Marzo 2015
Luigi Mondello, Paola Donato
 Importanza del Contenuto Lipidico nella Catena Alimentare: dagli Organismi Marini all’Uomo
Comunicazione Orale (36)
- 882** Emerging Separation Technologies (ChromSoc), London, March 26, 2015
 Luigi Mondello, Peter Q. Tranchida, Flavio A. Franchina, Mariosimone Zoccali
 Comprehensive 2D GC combined with novel MS instrumentation: powerful unified tools for the analysis of complex samples
 Comunicazione orale a Invito
- 883** Analytica Vietnam 2015, Saigon Exhibition & Convention Centre, Ho Chi Minh City, April 15-17, 2015
Luigi Mondello
 Comprehensive Chromatography (GCxGC, LCxLC, LC-GCxGC) coupled to MS/MS for the Analysis of Environmental Samples
Comunicazione Orale ad Invito (177)
- 884** Analytica Vietnam 2015, Saigon Exhibition & Convention Centre, Ho Chi Minh City, April 15-17, 2015
 F.A. Franchina, M. Maimone, P.Q. Tranchida, G. Purcaro, D. Sciarrone, L. Mondello
 Flow Modulated Comprehensive 2D Gas Chromatography: A versatile, low-costing and powerful instrument for a deeper insight into food contaminations and complex samples

- 885** Analytica Vietnam 2015, Saigon Exhibition & Convention Centre, Ho Chi Minh City, April 15-17, 2015
A Powerful Five-Dimensional Separation-Science Tool: On-line Combination of Liquid Chromatography-Large Volume Injection-Comprehensive Two-Dimensional Gas Chromatography-Triple Quad Mass Spectrometry
M. Zoccali, P. Q. Tranchida, P. Dugo, D. Sciarrone, G. Purcaro, L. Mondello
Comunicazione Poster
- 886** Analytica Vietnam 2015, Saigon Exhibition & Convention Centre, Ho Chi Minh City, April 15-17, 2015
S. Pantò, M. Maimone, D. Sciarrone, G. Purcaro, L. Mondello
Development of a vapour phase Fourier-transform infrared spectroscopy database for the unequivocal identification of volatiles in complex mixtures
Comunicazione Poster
- 887** Analytica Vietnam 2015, Saigon Exhibition & Convention Centre, Ho Chi Minh City, April 15-17, 2015
Cromatoplusspectra and FFNSC Mass Spectral Database: A Powerful Coupling of a Unique Chromatographic Software with Integrated Automated LRI Algorithm Function Exploiting the FFNSC MS Database
S. Pantò, G. Purcaro, G. Micalizzi, L. Mondello
Comunicazione Poster
- 888** Analytica Vietnam 2015, Saigon Exhibition & Convention Centre, Ho Chi Minh City, April 15-17, 2015
NanoLC coupled to an EI-MS system for a fast and affordable identification of semi and non volatile compounds
F. Rigano, D. Sciarrone, G. Purcaro, L. Mondello
Comunicazione Poster
- 889** Analytica Vietnam 2015, Saigon Exhibition & Convention Centre, Ho Chi Minh City, April 15-17, 2015
Use of a Versatile Multidimensional LC-GC-GC-GC-PREP System for the rapid and highly Pure Collection of Volatile Components
S. Pantò, D. Sciarrone, M. Maimone, G. Purcaro, L. Mondello
Comunicazione Poster
- 890** 1st MS-Wine Day, Bagno a Ripoli, Firenze, April 16-17, 2015
Comprehensive two-dimensional liquid chromatography for determination of polyphenols in Sicilian red wines
Francesco Cacciola, Paola Donato, Paola Dugo, Luigi Mondello
Comunicazione orale a Invito

- 891** 106th AOCS Annual Meeting and Industry Showcases, Orlando, Florida, USA, May 3-6, 2015
Multidimensional Gas Chromatographic Techniques Applied to the Analysis of Lipids from Marine Species of the Mediterranean Sea
R. Costa, A. Albergamo, M. Oteri, M. Piparo, G. Purcaro, P. Dugo, L. Mondello
Comunicazione Orale a Invito
- 892** 106th AOCS Annual Meeting and Industry Showcases, Orlando, Florida, USA, May 3-6, 2015
Potentiality of the GCxGC Technique for Quality and Authenticity Assessment of Olive Oil G. Purcaro, L. Mondello, L. Conte
Comunicazione Orale a Invito
- 893** 106th AOCS Annual Meeting and Industry Showcases, Orlando, Florida, USA, May 3-6, 2015
Chemical Characterization of Chia (*Salvia Hispanica*) Seed Oil
M. Beccaria, F. Rigano, M. Oteri, G. Bartolomeo, V. Musarra, G. Tripodo, D. Sciarrone, R. Costa, P. Dugo, G. Purcaro, L. Mondello
Comunicazione Poster
- 894** 106th AOCS Annual Meeting and Industry Showcases, Orlando, Florida, USA, May 3-6, 2015
Determination of the Triacylglycerol Fraction in Fish Oil by Comprehensive Liquid Chromatography Techniques with the Support of Gas Chromatography and Mass Spectrometry
R. Costa, M. Beccaria, F. Cacciola, M. Oteri, F. Franchina, G. Purcaro, P. Dugo, L. Mondello
Comunicazione Poster
- 895** 106th AOCS Annual Meeting and Industry Showcases, Orlando, Florida, USA, May 3-6, 2015
Reliability of the Δ ECN42 Limit and Global Method for Olive Oil Purity Assessment Using Different Analytical Approaches
G. Purcaro, M. Beccaria, M. Oteri, A. Marra, D. Mangraviti, L.S. Conte, L. Mondello
Comunicazione Poster
- 896** 106th AOCS Annual Meeting and Industry Showcases, Orlando, Florida, USA, May 3-6, 2015
Development of a NanoLC-EI-MS Method for the Characterization of the Free Fatty Acid Fraction in Mussels *Mytilus galloprovincialis*
F. Rigano, A. Albergamo, M. Beccaria, S. Salivo, D. Sciarrone, G. Purcaro, P. Q. Tranchida, L. Mondello
Comunicazione Poster
- 897** 106th AOCS Annual Meeting and Industry Showcases, Orlando, Florida, USA, May 3-6, 2015
Detailed Characterization of the Unsaponifiable Fraction of Milk and Human Plasma Lipids by Using Enhanced Peak Capacity Chromatography and High-Resolution Mass Spectrometry
S. Salivo, M. Piparo, R. Costa, P.Q. Tranchida, P. Dugo, L. Mondello

- 898** 106th AOCS Annual Meeting and Industry Showcases, Orlando, Florida, USA, May 3-6, 2015
Improvement in MOAH Quantification in Edible Oils: Retention of Olefins by Using a Novel Liquid-Liquid Gas Chromatography (LC-LC-GC) Method
M. Zoccali, L. Barp, G. Purcaro, D. Sciarrone, P. Q. Tranchida, L. Mondello
Comunicazione Poster
- 899** The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
Comprehensive Two-Dimensional Liquid Chromatography-Tandem Mass Spectrometry for Targeted, Untargeted, and Post-targeted Lipidomics
Luigi Mondello, Francesca Rigano, Marco Beccaria, Paola Donato, Paola Dugo
Comunicazione Orale ad Invito (178)
- 900** The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
Low-flow modulation comprehensive 2D GC-high resolution ToF MS: a powerful tool for untargeted, pre- and post-targeted analysis
Peter Q. Tranchida, Simona Salivo, Flavio A. Franchina, Luigi Mondello
Comunicazione Orale
- 901** The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
GC×GC: a powerful tool for a comprehensive evaluation of food quality, authenticity, and safety
Giorgia Purcaro, Laura Barp, Mariosimone Zoccali, Flavio A. Franchina, Peter Q. Tranchida, Sabrina Moret, Lanfranco S. Conte, Luigi Mondello
Comunicazione Orale
- 902** The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
NanoLC coupled to an EI-MS system for a fast and reliable identification of lipid components
Francesca Rigano, Giorgia Purcaro, Rosaria Costa, Danilo Sciarrone, Luigi Mondello
Comunicazione Orale
- 903** The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
On-line combination of liquid chromatography-large volume injection-comprehensive two-dimensional gas chromatography-triple quad mass spectrometry: a powerful 5-D separation-science tool
Mariosimone Zoccali, Peter Q. Tranchida, Paola Dugo, Giorgia Purcaro, Luigi Mondello
Comunicazione Orale

- 904** The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
Concept of (low-)flow modulation comprehensive two-dimensional gas chromatography under sub-ambient, ambient and supra-ambient pressure outlet conditions
Flavio A. Franchina, Mariarosa Maimone, Peter Q. Tranchida, Luigi Mondello
Comunicazione Orale
- 905** The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
(Low-)flow modulation comprehensive two-dimensional gas chromatography for the determination of suspected allergens in fragrances
Mariarosa Maimone, Flavio A. Franchina, Giorgia Purcaro, Peter Q. Tranchida, Luigi Mondello
Comunicazione Poster
- 906** The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
Performance evaluation of a novel helium ionization detector coupled to (low-)flow modulation comprehensive two-dimensional gas chromatography
Flavio A. Franchina, Mariarosa Maimone, Danilo Sciarrone, Giorgia Purcaro, Peter Q. Tranchida, Luigi Mondello
Comunicazione Poster
- 907** The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
On-line liquid chromatography for efficient removal of olefins prior to the gas chromatography determination of mineral oil contamination in vegetable oils
Mariosimone Zoccali, Laura Barp, Giorgia Purcaro, Danilo Sciarrone, Peter Q. Tranchida, Luigi Mondello
Comunicazione Poster
- 908** The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
Direct immersion solid-phase microextraction followed by fast gas chromatography coupled with triple quadrupole mass spectrometry for the analysis of phthalate esters in vegetable oils
Laura Barp, Flavio A. Franchina, Mariosimone Zoccali, Danilo Sciarrone, Peter Q. Tranchida, Giorgia Purcaro, Luigi Mondello
Comunicazione Poster
- 909** The 39th International Symposium on Capillary Chromatography (ISCC) & The 12th GC×GC Symposium, Fort Worth, TX, USA, May 17-21, 2015
A novel multidimensional LC-GC-GC-GC-preparative chromatographic system for the rapid isolation of highly pure volatiles
Sebastiano Pantò, Danilo Sciarrone, Peter Q. Tranchida, Mariarosa Maimone, Giorgia Purcaro, Luigi Mondello
Comunicazione Poster

- 910** Analytical and Technical Application of Supercritical Fluids'15, Budapest, May 21, 2015
Supercritical Chromatographic Separation of Pepper Carotenoids
M. Utczás, I. Bonaccorsi, V. Inferrera, P. Donato, P. Dugo, L. Mondello
Comunicazione Orale
- 911** ASMS 2015, 63rd ASMS Conference on Mass Spectrometry and Allied Topics, St. Louis, Missouri, USA, May 31 - June 4, 2015
On-line LC×LC-MS/MS: a Powerful Unified Separation-science Tool
Paola Donato, Francesca Rigano, Ambrogina Albergamo, Francesco Cacciola, Marco Beccaria, Paola Dugo, Luigi Mondello
Comunicazione Poster
- 912** MASSA 2015, Alghero, Italy, June 10-12, 2015
Gas Chromatography Carbon Isotope Ratio Mass Spectrometry (GC-C-IRMS) for Samples' Traceability
Luisa Schipilliti, Ivana Bonaccorsi, Giorgia Purcaro, Luigi Mondello
Comunicazione Orale ad Invito (179)
- 913** Flavours and Fragrances Day, Nice, France, June 19, 2015
Advanced On-Line LC-GC-GC-GC Preparative System for the Isolation of High Amounts of Pure Components
Luigi Mondello, Danilo Sciarrone, Sebastiano Pantò, Giorgia Purcaro
Comunicazione Orale ad Invito (180)
- 914** HPLC 2015 – 42th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Geneva, Switzerland, June 21-25, 2015
Elucidation of the carotenoid composition in food using one- and two-dimensional chromatography coupled to photodiode array and mass spectrometry detection
Luigi Mondello
Comunicazione Orale ad Invito (181)
- 915** HPLC 2015 – 42th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Geneva, Switzerland, June 21-25, 2015
Design of various gradient elutions in reversed phase×reversed phase liquid chromatography as a powerful tool in complex real-world samples
Francesco Cacciola, Daniele Giuffrida, Giorgia Purcaro, Paola Dugo, Luigi Mondello
Comunicazione Orale
- 916** HPLC 2015 – 42th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Geneva, Switzerland, June 21-25, 2015
Bioactives screening in fruits and vegetables by liquid chromatography coupled to photo-diode array and mass spectrometry detection
Francesco Cacciola, Ivana Bonaccorsi, Margita Utczas, Francesca Satira, Marina Russo, Daniele Giuffrida, Paola Dugo, Luigi Mondello
Comunicazione Poster

- 917** HPLC 2015 – 42th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Geneva, Switzerland, June 21-25, 2015
The coupling of partially porous and monodisperse material for total lipid screening by comprehensive liquid chromatography-tandem mass spectrometry
Paola Donato, Rosaria Costa, Marco Beccaria, Francesco Cacciola, Francesca Rigano, Paola Dugo, Luigi Mondello
Comunicazione Poster
- 918** HPLC 2015 – 42th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Geneva, Switzerland, June 21-25, 2015
HPLC/PDA/MS and preparative HPLC-HPLC/PDA/MS for the characterization and isolation of limonoids in bergamot (*Citrus bergamia* Risso)
Marina Russo, Adriana Arigò, Paola Dugo, Maria Luisa Calabrò, Paola Donato, Luigi Mondello
Comunicazione Poster
- 919** HPLC 2015 – 42th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Geneva, Switzerland, June 21-25, 2015
Development of a nanoLC-EI-MS system for a fast and reliable characterization of LC-amenable compounds
Francesca Rigano, Danilo Sciarrone, Giorgia Purcaro, Luigi Mondello
Comunicazione Poster
- 920** RDPA 2015, Recent Developments in Pharmaceutical Analysis, Perugia, Italy, June 28-July 1, 2015
Comprehensive Liquid Chromatography-Tandem Mass Spectrometry for a Comprehensive Analysis of Lipids in Biological Systems
Paola Donato, Francesca Rigano, Ambrogina Albergamo, Francesco Cacciola, Marco Beccaria, Paola Dugo, Luigi Mondello
Comunicazione Orale a Invito
- 921** RDPA 2015, Recent Developments in Pharmaceutical Analysis, Perugia, Italy, June 28-July 1, 2015
Identification of Potential Nutraceuticals in Waste By-products by liquid chromatography coupled to photo-diode array and mass spectrometry detection
F. Cacciola, I. Bonaccorsi, M. Utczas, F. Satira, M. Russo, D. Giuffrida, P. Donato, P. Dugo, L. Mondello
Comunicazione Poster
- 922** RDPA 2015, Recent Developments in Pharmaceutical Analysis, Perugia, Italy, June 28-July 1, 2015
Screening and Isolation of *Citrus* Bioactives by Preparative Liquid Chromatography Coupled to Photo-diode array and Mass Spectrometry Detection
M. Russo, A. Arigò, P. Dugo, M. L. Calabrò, P. Donato, L. Mondello
Comunicazione Poster

- 923** RDPA 2015, Recent Developments in Pharmaceutical Analysis, Perugia, Italy, June 28-July 1, 2015
Applications of comprehensive two-dimensional liquid chromatography-tandem mass spectrometry in the field of lipidomics
P. Donato, R. Costa, M. Beccaria, F. Cacciola, F. Rigano, P. Dugo, L. Mondello
Comunicazione Poster
- 924** 21st International Symposium on Separation Science (ISSS 2015), Ljubljana, Slovenia, June 30th - July 3rd, 2015
LC-GC-GC-GC-prep: a new powerful and versatile system for the collection of highly pure volatile from complex samples
S. Pantò, D. Sciarrone, G. Purcaro, L. Mondello
Comunicazione Orale
- 925** 21st International Symposium on Separation Science (ISSS 2015), Ljubljana, Slovenia, June 30th - July 3rd, 2015
Lipidomic analysis of biological samples by using one- and multidimensional chromatography coupled to mass spectrometry
Veronica Infrerra, Marco Beccaria, Paola Donato, Giorgia Purcaro, Paola Dugo, Luigi Mondello
Comunicazione Orale
- 926** 21st International Symposium on Separation Science (ISSS 2015), Ljubljana, Slovenia, June 30th - July 3rd, 2015
Carbon isotope ratio analysis for the evaluation of vanilla flavour in foodstuffs
Luisa Schipilliti, Sebastiano Pantò, Ivana Bonaccorsi, Giorgia Purcaro, Luigi Mondello
Comunicazione Poster
- 927** 250th ACS National Meeting & Exposition, Boston, Massachusetts, USA, August 16th-20th, 2015
Application of different analytical systems for the characterization of food bioactives
Daniele Giuffrida, Francesco Cacciola, Margita Utczas, Marco Beccaria, Paola Donato, Paola Dugo, and Luigi Mondello
Comunicazione Orale a Invito
- 928** EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
An online multidimensional liquid chromatography platform for comprehensive lipid profiling by tandem mass spectrometry
Paola Donato, Francesca Rigano, Marco Beccaria, Rosaria Costa, Paola Dugo and Luigi Mondello
Comunicazione Orale
- 929** EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
Use of the comprehensive gas chromatography (GC×GC) approach in food analysis
Giorgia Purcaro, Laura Barp, Flavio Franchina, Peter Q. Tranchida, Luigi Mondello
Comunicazione Poster

- 930** EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
(Low-)flow modulation comprehensive two-dimensional gas chromatography under subambient, ambient and supra-ambient pressure outlet conditions
Flavio A. Franchina, Giorgia Purcaro, Mariarosa Maimone, Danilo Sciarrone, Peter Q. Tranchida, Luigi Mondello
Comunicazione Poster
- 931** EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
Mineral oil determination in vegetable oils: an innovative on-line liquid-gas chromatography method for efficient removal of olefins
G. Purcaro, L. Barp, M. Zoccali, D. Sciarrone, P.Q. Tranchida, L. Mondello
Comunicazione Poster
- 932** EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
Determination of suspected allergens in fragrances by using (low-)flow modulation comprehensive two-dimensional gas chromatography
Giorgia Purcaro, Mariarosa Maimone, Flavio A. Franchina, Peter Q. Tranchida, Luigi Mondello
Comunicazione Poster
- 933** EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
Multidimensional LC-GC-GC-GC-preparative chromatography for the fast isolation of highly pure volatiles
S. Pantò, D. Sciarrone, M. Maimone, G. Purcaro, L. Mondello
Comunicazione Poster
- 934** EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
A fast and green chromatographic technique for carotenoid identification in foodstuffs
I. Bonaccorsi, V. Infrerra, M. Utczas, F. Cacciola, P. Donato, P. Dugo, L. Mondello
Comunicazione Poster
- 935** EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
Simultaneous Determination of Bioactives and Contaminants in a Wine Sample by Comprehensive Liquid Chromatography-Triple Quadrupole Mass Spectrometry
Paola Donato, Francesca Rigano, Francesco Cacciola, Paola Dugo, Luigi Mondello
Comunicazione Poster

- 936** EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
Comprehensive lipid profiling of seafood samples by comprehensive liquid chromatography-mass spectrometry
P. Donato, R. Costa, M. Beccaria, P. Dugo, L. Mondello
Comunicazione Poster
- 937** 46th International Symposium on Essential Oils, Lublin September 13-16th, 2015
Characterization and isolation of limonoids in by-products of Citrus essential oils industry by means of liquid chromatography
Paola Dugo, Marina Russo, Adriana Arigò, Maria Luisa Calabrò, Luigi Mondello
Comunicazione Orale a Invito
- 938** 46th International Symposium on Essential Oils, Lublin September 13-16th, 2015
Simultaneous multi collection in each chromatographic dimension of highly pure volatiles from complex samples exploiting a versatile LC-GC-GC-GC-prep
D. Sciarrone, S. Pantò, P. Dugo, L. Mondello
Comunicazione Orale
- 939** 46th International Symposium on Essential Oils, Lublin September 13-16th, 2015
Characterization of essential oils and plant extracts secondary metabolites by using Gas Chromatography hyphenated to Carbon Isotope Ratio Mass Spectrometry (GC-C-IRMS)
P. Dugo, L. Schipilliti, I. Bonaccorsi, L. Mondello
Comunicazione Poster
- 940** 46th International Symposium on Essential Oils, Lublin September 13-16th , 2015
Traceability of vanilla flavoured food by means Head Space-Solid Phase Micro Extraction (HS-SPME) coupled to Gas Chromatography-Isotope Ratio Mass Spectrometry (GC-IRMS)
P. Dugo, L. Schipilliti, I. Bonaccorsi, S. Farnetti, L. Mondello
Comunicazione Poster
- 941** XXV Congresso della Divisione di Chimica Analitica della Società Chimica Italiana,
Trieste, 15-17 Settembre 2015
Qualitative and semi-quantitative analysis of phospholipids in rat liver mitochondria samples by HPLC-IT/TOF-MS
C. Fanali, L. Dugo, A.M. Sardanelli, A. Gnani, F. Cacciola, M. Oteri, M. Beccaria, L. Mondello
Comunicazione Orale

- 942** Seminario GC/GC×GC acoplado a espectrometria de masas de tiempo de vuelo TOF de alta resolución, Spain, September 15-17th, 2015
Hyphenation of high-resolution ToF MS with a GC-based separation step for the analysis of food-related analytes
Peter Q. Tranchida, Luigi Mondello
Comunicazione Orale
- 943** Seminario Waters 2015 MS Technology Days, Milano, 22 Settembre 2015
Metodi avanzati di Cromatografia accoppiata alla Spettrometria di Massa per l'analisi di Alimenti
Luigi Mondello, Francesca Rigano, Veronica Inferrera, Marco Beccaria, Paola Donato, Paola Dugo
Comunicazione Orale ad Invito (182)
- 944** 13th Euro Fed Lipid Congress "Fats, Oils and Lipids: New Challenges in Technology, Quality Control and Health", Florence, Italy, September 27-30th 2015
Determination of the Triacylglycerol Fraction in Fish Oil by Ultra Performance and Comprehensive Liquid Chromatography Techniques with the Support of Gas Chromatography and Mass Spectrometry Data
Marco Beccaria, Rosaria Costa, Marianna Oteri, Francesco Cacciola, Giorgia Purcaro, Paola Dugo, Luigi Mondello
Comunicazione Orale
- 945** 13th Euro Fed Lipid Congress "Fats, Oils and Lipids: New Challenges in Technology, Quality Control and Health", Florence, Italy, September 27-30th 2015
Advanced multidimensional gas chromatographic techniques coupled to mass spectrometry for the analysis of the saponifiable and unsaponifiable fractions of lipids
Franchina Flavio A., Salivo Simona, Piparo Marco, Purcaro Giorgia, Tranchida Peter Q., Mondello Luigi
Comunicazione Poster
- 946** 13th Euro Fed Lipid Congress "Fats, Oils and Lipids: New Challenges in Technology, Quality Control and Health", Florence, Italy, September 27-30th 2015
Analytical methods for lipid profiling in biological samples
Veronica Inferrera, Marco Beccaria, Francesca Rigano, Flavio A. Franchina, Paola Donato, Giorgia Purcaro, Paola Dugo
Comunicazione Poster
- 947** 13th Euro Fed Lipid Congress "Fats, Oils and Lipids: New Challenges in Technology, Quality Control and Health", Florence, Italy, September 27-30th 2015
Elucidation of the free fatty acid profile in mussels *M. galloprovincialis* by a NanoLC-EI-MS system
Francesca Rigano, Ambrogina Albergamo, Marco Beccaria, Simona Salivo, Danilo Sciarrone, Giorgia Purcaro, Peter Q. Tranchida, Luigi Mondello
Comunicazione Poster

- 948** 4th MS Food Day, Foggia, Italy, October 7-9, 2015
Hyphenation of novel MS devices with a powerful multidimensional GC separation step for the investigation of foods
Peter Q. Tranchida and Luigi Mondello
Comunicazione Orale
- 949** XVIII Euro Food Chem, Madrid, Spain, October 13-16, 2015
Luigi Mondello
Recent advances in chromatographic techniques hyphenated to mass spectrometry for food quality assessment
Comunicazione Orale ad Invito (183)
- 950** XVIII Euro Food Chem, Madrid, Spain, October 13-16, 2015
Evaluation of complementary analytical systems for analysis of food carotenoids
Daniele Giuffrida, Francesco Cacciola, Margita Utczas, Domenica Mangraviti, Marco Beccaria, Paola Dugo, and Luigi Mondello
Comunicazione Poster
- 951** XV Reunión Científica Sociedad Española de Cromatografía y Técnicas Afines (SECYTA 2015), Castellón de la Plana, Spain, October 27-30, 2015
Comprehensive Two-Dimensional Liquid Chromatography as a powerful tool For Food Applications
Paola Dugo, Francesco Cacciola, Luigi Mondello
Comunicazione Orale a Invito
- 952** 7th International Symposium on Recent Advances in Food Analysis (RAFA 2015), Czech Republic, Prague, 3-6 November 2015
Luigi Mondello
Comprehensive chromatography (GC×GC, LC×LC) techniques coupled to mass spectrometry for the analysis of food samples
Comunicazione Orale ad Invito (184)
- 953** 7th International Symposium on Recent Advances in Food Analysis (RAFA 2015), Czech Republic, Prague, 3-6 November 2015
Francesco Cacciola, Luigi Mondello
Lipidomic analysis by using one- and multidimensional chromatography coupled to mass spectrometry
Comunicazione Orale a Invito
- 954** 7th International Symposium on Recent Advances in Food Analysis (RAFA 2015), Czech Republic, Prague, 3-6 November 2015
Sebastiano Pantò, Danilo Sciarrone, Mariaros Maimone, Paola Dugo, Luigi Mondello
Multidimensional chromatographic techniques (LC-GC-GC-GC-prep) for the collection of pure volatile components from complex samples
Comunicazione Orale

- 955** 7th International Symposium on Recent Advances in Food Analysis (RAFA 2015), Czech Republic, Prague, 3-6 November 2015
Francesco Cacciola, Paola Donato, Francesca Rigano, Paola Dugo, Luigi Mondello
 Reversed phase×reversed phase liquid chromatography as a powerful analytical technique in the analysis of complex food samples
 Comunicazione Poster
- 956** 7th International Symposium on Recent Advances in Food Analysis (RAFA 2015), Czech Republic, Prague, 3-6 November 2015
Adriana Arigò, Marina Russo, Ivana Bonaccorsi, Maria Luisa Calabrò, Paola Dugo, Luigi Mondello
 Nutraceuticals in blood orange juice and by-products
 Comunicazione Poster
- 957** 8th Brazilian Symposium on Essential Oils (SBOE) - International Symposium on Essential Oils (ISEO), Rio de Janeiro, Brazil, November 10-13, 2015
Luigi Mondello, Sebastiano Pantò, Danilo Sciarrone
 Preparative chromatography techniques for the isolation of pure standard components from natural samples
Comunicazione Orale ad Invito (185)
- 958** 8th Brazilian Symposium on Essential Oils (SBOE) - International Symposium on Essential Oils (ISEO), Rio de Janeiro, Brazil, November 10-13, 2015
Peter Q. Tranchida, Mariarosa Maimone, Flavio A. Franchina, Luigi Mondello
 Analysis of plant and marine products by using (low-)flow modulated comprehensive 2D gas chromatography-mass spectrometry
 Comunicazione Poster
- 959** 8th Brazilian Symposium on Essential Oils (SBOE) - International Symposium on Essential Oils (ISEO), Rio de Janeiro, Brazil, November 10-13, 2015
 Peter Q. Tranchida, Mariarosa Maimone, Flavio A. Franchina, Luigi Mondello
 Comprehensive 2D GC coupled to rapid triple quadrupole mass spectrometry for the simultaneous untargeted (MS database matching & LRI-filtering) and targeted (MRM transitions) analysis of essential oils
 Comunicazione Poster
- 960** 8th Brazilian Symposium on Essential Oils (SBOE) - International Symposium on Essential Oils (ISEO), Rio de Janeiro, Brazil, November 10-13, 2015
Mariarosa Maimone, Peter Q. Tranchida, Luigi Mondello
 Reliable identification of plant and marine constituents by using dedicated MS databases
 Comunicazione Poster
- 961** 8th Brazilian Symposium on Essential Oils (SBOE) - International Symposium on Essential Oils (ISEO), Rio de Janeiro, Brazil, November 10-13, 2015
Mariarosa Maimone, Peter Q. Tranchida, Luigi Mondello
 LRI-filtered identification of essential oil constituents by using a novel MS database
 Comunicazione Poster

- 962** Waters Users Meeting on SFC, Purification and Related Technologies, Prague, December 4, 2015
Luigi Mondello, Veronica Inferrera, Paola Donato, Paola Dugo
 UPC² Coupled to Mass Spectrometry for Complex Analysis of Foodstuff
Comunicazione Orale ad Invito (186)
- 963** Convegno CNR Dagli ioni metastabili (1945) alle tecniche MSⁿ: stato dell'arte, novità, innovazione e strumentazione, Roma, 15 dicembre 2015
Mariarosa Maimone, Flavio A. Franchina, Peter Q. Tranchida and Luigi Mondello
 Hyphenation of novel MS devices with a powerful multidimensional GC pre-separation step for the investigation of complex samples
 Comunicazione Orale
- 964** 7th Annual Multidimensional Chromatography Workshop, Toronto, Canada, January 5-6, 2016
Francesco Cacciola, Paola Donato, Francesca Rigano, Paola Dugo, Luigi Mondello
 Reversed phase × reversed phase liquid chromatography as a powerful analytical tool in the analysis of complex food samples
 Comunicazione Orale a Invito
- 965** 7th Annual Multidimensional Chromatography Workshop, Toronto, Canada, January 5-6, 2016
Flavio A. Franchina, Giorgia Purcaro, Peter Q. Tranchida, Luigi Mondello
 Novel Ultra-Fast Quad and Triple Quad Detectors for GC×GC
 Comunicazione Orale a Invito
- 966** International Symposium On Hyphenated Techniques In Chromatography And Separation Technology (HTC), Ghent, Belgium, January 27-29, 2016
 Paola Dugo, Paola Donato, Francesco Cacciola, Marco Beccaria, Veronica Inferrera, Francesca Rigano, Luigi Mondello
 Hyphenated LC-MS and LC×LC-MS Techniques Reduce the Need for Extensive Sample Preparation for Accurate Analysis of Target Compounds
Comunicazione Orale ad Invito (187)
- 967** International Symposium On Hyphenated Techniques In Chromatography And Separation Technology (HTC), Ghent, Belgium, January 27-29, 2016
Paola Dugo, Paola Donato, Marco Beccaria, Francesco Cacciola, Luigi Mondello
 Hyphenated Chromatographic Techniques for Complex Analysis of Lipid Samples
 Comunicazione Orale a Invito
- 968** International Symposium On Hyphenated Techniques In Chromatography And Separation Technology (HTC), Ghent, Belgium, January 27-29, 2016
Paola Dugo
 Advanced Chromatographic and Mass Spectrometric Approaches for Phospholipid Analysis
 Comunicazione Orale a Invito

- 969** International Symposium On Hyphenated Techniques In Chromatography And Separation Technology (HTC), Ghent, Belgium, January 27-29, 2016
Peter Q. Tranchida, Flavio A. Franchina, Mariaros Maimone, Luigi Mondello
 Flow-modulation comprehensive two-dimensional gas chromatography-mass spectrometry using $\approx 4 \text{ mL min}^{-1}$ gas flows
 Comunicazione Orale
- 970** International Symposium On Hyphenated Techniques In Chromatography And Separation Technology (HTC), Ghent, Belgium, January 27-29, 2016
Peter Q. Tranchida
 Screening and quantification of newly-regulated allergens in perfumes by using GC $\times$ GC-qMS
 Comunicazione Orale a Invito
- 971** International Symposium On Hyphenated Techniques In Chromatography And Separation Technology (HTC), Ghent, Belgium, January 27-29, 2016
Danilo Sciarrone, Sebastiano Panto, Paola Dugo, Luigi Mondello
 Isolation of unknown molecules from plant extracts exploiting a multidimensional GC-prep system followed by NRM , MS and FTIR for structural identification
 Comunicazione Orale
- 972** International Symposium On Hyphenated Techniques In Chromatography And Separation Technology (HTC), Ghent, Belgium, January 27-29, 2016
Mariaros Maimone, Flavio A. Franchina, Giorgia Purcaro, Peter Q. Tranchida and Luigi Mondello
 (Low-)flow modulation comprehensive two-dimensional gas chromatography for the determination of suspected allergens in fragrances
 Comunicazione Poster
- 973** International Symposium On Hyphenated Techniques In Chromatography And Separation Technology (HTC), Ghent, Belgium, January 27-29, 2016
Mariaros Maimone, Flavio A. Franchina, Peter Q. Tranchida, Luigi Mondello
 Concept of (low-)flow modulation comprehensive two-dimensional gas chromatography under sub-ambient, ambient and supra-ambient pressure outlet conditions
 Comunicazione Poster
- 974** International Symposium On Hyphenated Techniques In Chromatography And Separation Technology (HTC), Ghent, Belgium, January 27-29, 2016
 Mariosimone Zoccali, Laura Barp, Marco Beccaria, Danilo Sciarrone, Giorgia Purcaro,
 Luigi Mondello Efficient on-line liquid chromatography removal of olefin interferences prior to the gas chromatography determination of mineral oil contamination in vegetable oils
 Comunicazione Poster
- 975** 27th MassSpec Forum Vienna, February 23-24, 2016
Simona Salivo, Yuzo Yamazaki, Peter Quinto Tranchida, Luigi Mondello
 MALDI imaging with high spatial resolution for the direct analysis of phospholipids in rat brain tissue

Comunicazione Orale

- 976** IDF Dairy Science & Technology Symposia 2016, Dublin, April 11-13th, 2016.
Danilo Sciarrone and Luigi Mondello
Gas chromatography-olfactometry in food flavor analysis
Comunicazione Orale a Invito
- 977** 1° Isotope ratio mass spectrometry (IRMS) Day, S.Michele all'Adige (TN), Italy, May, 9-11 2016
Danilo Sciarrone and Luigi Mondello
High Efficiency Multidimensional Gas Chromatography Coupled to Isotope Ratio Mass Spectrometry and Quadrupole Mass Spectrometry Simultaneous Detection
Comunicazione Orale
- 978** 107th AOCS Annual Meeting & Expo, Salt Lake City, Utah, USA, May 1-4, 2016
G. Purcaro, F.A. Franchina, L. Barp, P.Q. Tranchida, and L. Mondello
Elucidation of minor components in vegetable oils by using comprehensive two-dimensional gas chromatography: A “green” evolution
Comunicazione Poster
- 979** 107th AOCS Annual Meeting & Expo, Salt Lake City, Utah, USA, May 1-4, 2016
M. Beccaria, V. Inferrera, F. Rigano, P. Dugo, G. Purcaro, L. Mondello
Lipidomics-type analysis of human plasma by UHPLC-qMS
Comunicazione Poster
- 980** Gordon Conference, Lucca, Italy, May 22-27, 2016
Daniele Giuffrida, Francesco Cacciola, Margita Utczas, Domenica Mangraviti, Marco Beccaria, Paola Dugo, Luigi Mondello
Evaluation of complementary analytical systems for analysis of food carotenoids
Comunicazione Poster
- 981** EPRW 2016, 11th European Pesticide Residue Workshop, Limassol, Cyprus, May 24 -27, 2016
Francesco Cacciola, Paola Donato, Francesca Rigano, Paola Dugo, Luigi Mondello
Comprehensive liquid chromatography-triple quadrupole mass spectrometry for simultaneous determination of bioactives and pesticides in wine samples
Comunicazione Orale a Invito
- 982** EPRW 2016, 11th European Pesticide Residue Workshop, Limassol, Cyprus, May 24 -27, 2016
Mariosimone Zoccali, Giorgia Purcaro, Antonino Schepis, Peter Q. Tranchida, Francesco Cacciola, Luigi Mondello
Miniaturized QuEChERS methodologies coupled to fast gas chromatography-triple quadrupole mass spectrometry for the determination of pesticides in different vegetables
Comunicazione Poster

- 983** EPRW 2016, 11th European Pesticide Residue Workshop, Limassol, Cyprus, May 24 -27, 2016
Margita Utczás, Mariosimone Zoccali, Giorgia Purcaro, Francesco Cacciola, Luigi Mondello
CHROMATOPLUS SPECTRA and PESTICIDE mass spectral database: a powerful coupling of a unique chromatographic software with integrated automated LRI algorithm function exploiting the PESTICIDE MS database
Comunicazione Poster
- 984** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Luigi Mondello
Comprehensive 2D gas chromatography. A 17-year “balance”
Comunicazione Orale ad Invito (188)
- 985** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Peter Q. Tranchida, Flavio A. Franchina, Giorgia Purcaro, Mariarosa Maimone, Simona Salivo, Luigi Mondello
Hyphenations of (low-)flow modulation comprehensive 2D GC with single quadrupole, triple quadrupole and high-resolution time-of-flight mass spectrometry
Comunicazione Orale a Invito
- 986** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Paola Dugo, Francesco Cacciola, Paola Donato, Luigi Mondello
Recent applications of LC×LC to natural products analysis
Comunicazione Orale a Invito
- 987** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Francesco Cacciola, Domenica Mangraviti, Francesca Rigano, Paola Donato, Paola Dugo, Luigi Mondello, Yukari Nishizawa-Brennen, Karen M. Draths, John W. Frost, Hernan J. Cortes
In Pursuit of the Microbosphere
Comunicazione Orale a Invito
- 988** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Comprehensive two-dimensional liquid chromatography using RP-UHPLC as the second dimension separation for carotenoid analysis
Paola Donato, Veronica Inferrera, Daniele Giuffrida, Francesco Cacciola, Kevin Schug, Paola Dugo, Luigi Mondello
Comunicazione Orale
- 989** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Daniilo Sciarrone, Antonino Schepis, Luigi Mondello
High efficiency multidimensional gas chromatography coupled to isotope ratio mass spectrometry and quadrupole mass spectrometry simultaneous detection
Comunicazione Orale

- 990** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Antonino Schepis, Mariosimone Zoccali, Giorgia Purcaro, Peter Q. Tranchida, Luigi Mondello
 Quantification of pesticides in food samples by means of miniaturized QuEChERS approach coupled to fast GC-QqQ MS
 Comunicazione Poster
- 991** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Giorgia Purcaro, Flavio A. Franchina, Laura Barp, Peter Q. Tranchida, Luigi Mondello
 Optimization of in-pipette solid-phase extraction for determination of minor components in vegetable oils by GC×GC-FID/MS
 Comunicazione Poster
- 992** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
 Maria Elisabete Machado, Marco Piparo, Flavio A. Franchina, Claudia Zini, Elina B. Caramao, Peter Q. Tranchida, Luigi Mondello
 Use of comprehensive two-dimensional gas chromatography and tandem mass spectrometry for the targeted and untargeted analysis of petrochemical samples
 Comunicazione Poster
- 993** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
 Thiago R. Bjerk, Mariarosa Maimone, Flavio A. Franchina, Giorgia Purcaro, Danilo Sciarrone, Claudia Zini, Peter Q. Tranchida, Luigi Mondello
 (Low-)flow modulation comprehensive two-dimensional gas chromatography experiments under different outlet pressure conditions
 Comunicazione Poster
- 994** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Flavio A. Franchina, Laura Barp, Mariosimone Zoccali, Giorgia Purcaro, Danilo Sciarrone, Peter Q. Tranchida, Luigi Mondello
 Phthalic acid esters determination in vegetable oils by using SPME followed by fast GC coupled with triple quadrupole MS
 Comunicazione Poster
- 995** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Mariosimone Zoccali, Margita Utczas, Giorgia Purcaro, Peter Q. Tranchida, Kevin A.A. Schug, Luigi Mondello
 Flow-modulated comprehensive 2D gas chromatography combined with vacuum ultraviolet detector for the analysis of complex mixture
 Comunicazione Poster

- 996** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Veronica Infrerrera, Paola Donato, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Impact of convergence chromatography coupled to time-of-flight mass spectrometry on lipid analysis: applications to triacylglycerol fingerprinting in edible oils
 Comunicazione Poster
- 997** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Marco Beccaria, Giorgia Purcaro, Marianna Oteri, Giuseppe Micalizzi, Paola Dugo, Luigi Mondello
 Analysis of lipid profile in human lipid storage myopathies
 Comunicazione Poster
- 998** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Marianna Oteri, Marco Beccaria, Giorgia Purcaro, Giuseppe Micalizzi, Ivana L. Bonaccorsi, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Evaluation of the lipid profile of dairy products during and after their shelf-life
 Comunicazione Poster
- 999** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Miroslava Zelena, Laurent Dufosse, Daniele Giuffrida, Francesco Cacciola, Mekala Venkat, Mireille Fouillaud, Emmanuelle Girard-Valenciennes, Lenka Ceslova, Paola Dugo, Luigi Mondello
 Azaphilones pigments from *Talaromyces Albobiverticillius*
 Comunicazione Poster
- 1000** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Giuseppe Micalizzi, Margita Utczas, Giorgia Purcaro, Danilo Sciarrone, Luigi Mondello
 Exploitation of different techniques for a reliable identification of unknown compounds to be added into a dedicated database fro the flavor and fragrance field
 Comunicazione Poster
- 1001** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Margita Utczas, Giuseppe Micalizzi, Giorgia Purcaro, Luigi Mondello
 Embedded of the linear retention index information within a dedicated MS spectra database to boost the identification reliability of complex samples in the flavor and fragrance field
 Comunicazione Poster
- 1002** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016

- Paola Donato, Francesca Rigano, Ambrogina Albergamo, Francesco Cacciola, Marco Beccaria, Paola Dugo, Luigi Mondello
Comprehensive lipid profiling in mussel samples by comprehensive liquid chromatography-tandem mass spectrometry
Comunicazione Poster
- 1003** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Comprehensive two-dimensional liquid chromatography for characterization of food carotenoids
Domenica Mangraviti, Francesco Cacciola, Daniele Giuffrida, Margita Utczas, Paola Donato, Paola Dugo, Luigi Mondello
Comunicazione Poster
- 1004** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Paola Donato, Veronica Inferrera, Daniele Giuffrida, Francesco Cacciola, Paola Dugo, Luigi Mondello
On-line coupling of ultra performance convergence chromatography and ultra high pressure liquid chromatography for boosting orthogonality in comprehensive separations
Comunicazione Poster
- 1005** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Francesca Rigano, Sara Stead, Renata Jandova, Davy Petit, Sara Farnetti, Nino Marino, Luigi Mondello
Use of an “Intelligent knife (IKNIFE), based on the rapid evaporative ionization mass spectrometry technology for authenticity assessment of pistachio samples
Comunicazione Poster
- 1006** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Francesca Rigano, Ambrogina Albergamo, Danilo Sciarrone, Marco Beccaria, Giorgia Purcaro, Luigi Mondello
Characterization of free fatty acid profile in mussels by Nano-LC directly coupled to electron ionization mass spectrometry
Comunicazione Poster
- 1007** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Francesca Rigano, Danilo Sciarrone, Luigi Mondello
Building of a linear retention index system in liquid chromatography
Comunicazione Poster
- 1008** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Marina Russo, Francesca Rigano, Adriana Arigò, Danilo Sciarrone, Maria L. Calabrò, Paola Dugo, Luigi Mondello

Nano-LC-EI-MS for a reliable characterization of polymethoxyflavones isolated from cold-pressed mandarin essential oil by means of a multidimensional preparative HPLC system
Comunicazione Poster

- 1009** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Marco Beccaria, Veronica Inferrera, Francesca Rigano, Giorgia Purcaro, Paola Dugo, Luigi Mondello
Lipidomics-type analysis by UHPLC-Q-MS with ESI and APCI interfaces
Comunicazione Poster
- 1010** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Mariosimone Zoccali, Giorgia Purcaro, Masayuki Nishimura, Luigi Mondello
On-line coupling of CO₂ supercritical fluid extraction chromatography coupled to triple quadrupole mass spectrometry
Comunicazione Poster
- 1011** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Mariosimone Zoccali, Margita Utczas, Giorgia Purcaro, Luigi Mondello
VUV spectra database of fatty acids derivatized coupled with linear retention index approach: reliable identification tool for complex samples
Comunicazione Poster
- 1012** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Mariosimone Zoccali, Giorgia Purcaro, Laura Barp, Marco Beccaria, Danilo Sciarrone, Luigi Mondello
Efficient removal of olefin interferences by on-line liquid-liquid chromatography prior to the gas chromatography determination of mineral oil contamination in vegetable oils
Comunicazione Poster
- 1013** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Danilo Sciarrone, Luigi Mondello
Isolation of unknown molecules from plant extracts exploiting a multidimensional GC-PREP system followed by NMR, MS and FTIR for structural identification
Comunicazione Poster
- 1014** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Francesca Rigano, Marina Russo, Marianna Oteri, Paola Dugo, Luigi Mondello
Nano-scale liquid chromatography coupled to electron ionization mass spectrometry for improving identification capability of LC-amenable compounds
Comunicazione Poster

- 1015** 40th International Symposium on Capillary Chromatography, and 13th GC×GC Symposium, Riva del Garda, Italy, May 29-June 03, 2016
Francesca Rigano, Jody Dunstan, Francisco Ferron, Davy Petit, Luigi Mondello
 Towards ultimate sensitivity from the analysis of persistent organic pollutants (POPs)
 Comunicazione Poster
- 1016** 64th ASMS Conference on Mass Spectrometry and Allied Topics, San Antonio, TX, USA, June 5-9, 2016.
 Alexander Lekkas, Dimitris Papanastasiou, Emmanuel Raptakis, Francesca Rigano, Danilo Sciarrone, Luigi Mondello
 A New Interface Design for Coupling a Liquid Stream to an Electron Ionization Source
 Comunicazione Poster
- 1017** 64th ASMS Conference on Mass Spectrometry and Allied Topics, San Antonio, TX, USA, June 5-9, 2016.
Simona Salivo, Yuzo Yamazaki, Peter Quinto Tranchida, Luigi Mondello, Omar Belgacem
 In-situ characterization of phospholipids mixture on tissue sections using wide ion gate HE-CID experiment and ASDF MS/MS Spectra
 Comunicazione Poster
- 1018** 64th ASMS Conference on Mass Spectrometry and Allied Topics, San Antonio, TX, USA, June 5-9, 2016.
 Simona Salivo, Yuzo Yamazaki, Omar Belgacem, Peter Quinto Tranchida, Luigi Mondello
 MALDI imaging with high spatial resolution for the direct analysis of phospholipids in rat brain tissue
 Comunicazione Poster
- 1019** HPLC 2016 – 44th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, San Francisco, USA, June 19-24, 2016
Paola Dugo, Marco Beccaria, Francesco Cacciola, Paola Donato, Luigi Mondello
 Different Approaches Using Liquid Chromatography and Mass Spectrometry for Analysis of Complex Lipid Samples
 Comunicazione Orale a Invito
- 1020** HPLC 2016 – 44th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, San Francisco, USA, June 19-24, 2016
 Luigi Mondello, Francesca Rigano, Danilo Sciarrone, Marina Russo, Paola Dugo
 NanoLC Coupled to EI-MS for a Fast and Reliable Untargeted Characterization of LC-amenable Compounds
 Comunicazione Poster

- 1021** HPLC 2016 – 44th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, San Francisco, USA, June 19-24, 2016
Marina Russo, Francesco Cacciola, Paola Donato, Francesca Rigano, Paola Dugo, Luigi Mondello
 Reversed phase×reversed phase liquid chromatography: a powerful analytical technique in the analysis of complex foodstuffs
 Comunicazione Poster
- 1022** HPLC 2016 – 44th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, San Francisco, USA, June 19-24, 2016
Marina Russo, Mariosimone Zoccali, Giorgia Purcaro, Paola Dugo, Masayuki Nishimura, Luigi Mondello
 Pesticides determination by means of a green unified analytical tool
 Comunicazione Poster
- 1023** VIII Pigments in Food, Cluj-Napoca, Romania 28 June-1 July 2016
Daniele Giuffrida, Francesco Cacciola, Margita Utczas, Domenica Mangraviti, Ivana Bonaccorsi, Veronica Infrerra, Paola Donato, Paola Dugo, Luigi Mondello
 Application of advanced chromatography methods for the pigments characterization in fresh and overripe fruits and vegetables
 Comunicazione Orale a Invito
- 1024** ExTech & ISSS 2016, 18th International Symposium on Advances in Extraction Technologies & 22nd International Symposium on Separation Sciences, Torun, Poland, July 3-6, 2016
 Francesca Rigano, Luigi Mondello
 Nano-scale Liquid Chromatography Hyphenated to Electron Ionization Mass Spectrometry for Enhancing Identification Capability of Complex Samples
Comunicazione Orale ad Invito (189)
- 1025** ExTech & ISSS 2016, 18th International Symposium on Advances in Extraction Technologies & 22nd International Symposium on Separation Sciences, Torun, Poland, July 3-6, 2016.
 Francesca Rigano, Danilo Sciarrone, Giorgia Purcaro, Luigi Mondello
 Improving Identification Reliability in Liquid Chromatography by Using a Linear Retention Index Database
 Comunicazione Poster
- 1026** ExTech & ISSS 2016, 18th International Symposium on Advances in Extraction Technologies & 22nd International Symposium on Separation Sciences, Torun, Poland, July 3-6, 2016
 Mariosimone Zoccali, Giorgia Purcaro, Margita Utczas, Masayuki Nishimura, Luigi Mondello
 On-line extraction and determination by means CO₂ supercritical fluid and triple quadrupole mass spectrometry
 Comunicazione Poster

- 1027** ExTech & ISSS 2016, 18th International Symposium on Advances in Extraction Technologies & 22nd International Symposium on Separation Sciences, Torun, Poland, July 3-6, 2016
M. Utczas, G. Micalizzi, G. Purcaro, L. Mondello
 Linear retention indices: added value to a dedicated MS spectra database for the reliable identification of complex samples in the flavour and fragrance field
 Comunicazione Poster
- 1028** ExTech & ISSS 2016, 18th International Symposium on Advances in Extraction Technologies & 22nd International Symposium on Separation Sciences, Torun, Poland, July 3-6, 2016
M. Utczas, G. Purcaro, F. Cacciola, D. Giuffrida, L. Mondello
 Variation in the volatile and non-volatile fraction in processed and native *Arbutus unedo*
 Comunicazione Poster
- 1029** 31th International Symposium on Chromatography, Cork, Ireland, August 28th - Sept 1th, 2016
M. Zoccali, G. Purcaro, L. Barp, M. Beccaria, D. Sciarrone, L. Mondello
 Improvement in the determination of mineral oil contamination in vegetable oils: efficient removal of olefin interferences by LC-LC-GC
 Comunicazione Orale
- 1030** 31th International Symposium on Chromatography, Cork, Ireland, August 28th - Sept 1th, 2016
 M. Utczas, M. Zoccali, G. Micalizzi, G. Purcaro, L. Mondello
 MS Spectra Database Of Flavours And Fragrances Coupled With Linear Retention Index Approach: Reliable Identification Of Complex Essential Oil Samples
 Comunicazione Poster
- 1031** 31th International Symposium on Chromatography, Cork, Ireland, August 28th - Sept 1th, 2016
M. Zoccali, G. Purcaro, M. Nishimura, L. Mondello
 A unified analytical tool for green extraction and determination of both targeted and untargeted analysis
 Comunicazione Poster
- 1032** 31th International Symposium on Chromatography, Cork, Ireland, August 28th - Sept 1th, 2016
 Daniele Giuffrida, Francesco Cacciola, Luigi Mondello, Miroslava Zelená, Paola Dugo, Rosana Goncalves, Lenka Česlová
 Native carotenoids composition in two Brazilian fruits from the Cerrado area
 Comunicazione Poster
- 1033** Food Safety & Analysis Congress, Cambridge, September 6-7, 2016
Peter Q. Tranchida, Flavio A. Franchina, Luigi Mondello
 Potential of flow-modulated 2D gas chromatography-mass spectrometry in food analysis
 Comunicazione Orale

- 1034** 47th International Symposium on Essential Oils (ISEO2016), Nice, France, September 11-14th, 2016
Peter Q. Tranchida, Flavio A. Franchina, Luigi Mondello
 (Low-)flow modulation comprehensive 2D GC-MS: a limited-cost ultra high resolution approach for flavor & fragrance analysis
 Comunicazione Orale a Invito
- 1035** XXVI Congresso della Divisione di Chimica Analitica, Giardini Naxos, 18-22 Settembre 2016
 P. Dugo, F. Cacciola, P. Donato, L. Mondello
 THE USE OF COMPREHENSIVE 2D LIQUID CHROMATOGRAPHY IN FOOD ANALYSIS
 Comunicazione Orale a Invito
- 1036** XXVI Congresso della Divisione di Chimica Analitica, Giardini Naxos, 18-22 Settembre 2016
 D. Sciarrone, A. Schepis, L. Mondello
 HIGH EFFICIENCY MULTIDIMENSIONAL GAS CHROMATOGRAPHY COUPLED TO ISOTOPE RATIO MASS SPECTROMETRY AND QUADRUPOLE MASS SPECTROMETRY SIMULTANEOUS DETECTION
 Comunicazione Orale
- 1037** XXVI Congresso della Divisione di Chimica Analitica, Giardini Naxos, 18-22 Settembre 2016
F. Cacciola, P. Donato, F. Rigano, M. Russo, P. Dugo, L. Mondello
 USE OF REVERSED PHASE×REVERSED PHASE LIQUID CHROMATOGRAPHY FOR ANALYSIS OF COMPLEX FOOD SAMPLES
 Comunicazione Poster
- 1038** XXVI Congresso della Divisione di Chimica Analitica, Giardini Naxos, 18-22 Settembre 2016
M. Oteri, M. Beccaria, G. Purcaro, G. Micalizzi, I. L. Bonaccorsi, F. Cacciola, P. Dugo, L. Mondello
 DAIRY PRODUCTS: LIPID EVOLUTION DURING SHELF-LIFE
 Comunicazione Poster
- 1039** XXVI Congresso della Divisione di Chimica Analitica, Giardini Naxos, 18-22 Settembre 2016
D. Mangraviti, F. Cacciola, D. Giuffrida , M. Utczas, P. Donato, P. Dugo, L. Mondello
 APPLICATION OF COMPREHENSIVE TWO-DIMENSIONAL LIQUID CHROMATOGRAPHY FOR ANALYSIS OF FOOD CAROTENOIDS
 Comunicazione Poster
- 1040** XXVI Congresso della Divisione di Chimica Analitica, Giardini Naxos, 18-22 Settembre 2016
A. Schepis, M. Zoccali, G. Purcaro, P. Q. Tranchida, L. Mondello
 MINIATURIZED QuEChERS APPROACH COUPLED TO FAST GCQqQ MS FOR THE QUANTIFICATION OF PESTICIDES IN DIFFERENT VEGETABLES
 Comunicazione Poster

- 1041** XXVI Congresso della Divisione di Chimica Analitica, Giardini Naxos, 18-22 Settembre 2016
F. Rigano, M. Russo, P. Dugo, L. Mondello
BUILDING OF AN LC-EI-MS DATABASE, INCLUDING LINEAR RETENTION INDEX (LRI) DATA, FOR ACHIEVING A FAST AND RELIABLE IDENTIFICATION IN LIQUID CHROMATOGRAPHY
Comunicazione Poster
- 1042** XXVI Congresso della Divisione di Chimica Analitica, Giardini Naxos, 18-22 Settembre 2016
A. Schepis, M. Zoccali, G. Purcaro, M. Beccaria, D. Sciarrone, L. Mondello
QUANTIFICATION OF MINERAL OIL CONTAMINATION IN VEGETABLE OILS BY MEANS OF GAS CHROMATOGRAPHY AFTER AN EFFICIENT REMOVAL OF OLEFIN INTERFERENCES BY USING ON-LINE LIQUID-LIQUID CHROMATOGRAPHY
Comunicazione Poster
- 1043** XXVI Congresso della Divisione di Chimica Analitica, Giardini Naxos, 18-22 Settembre 2016
V. Infrerra, P. Donato, F. Cacciola, P. Dugo, L. Mondello
ULTRA PERFORMANCE CONVERGENCE CHROMATOGRAPHY FOR FOOD LIPID CHARACTERIZATION: TOWARDS FASTER AND GREEN ANALYSIS
Comunicazione Poster
- 1044** XXVI Congresso della Divisione di Chimica Analitica, Giardini Naxos, 18-22 Settembre 2016
M. Maimone, F. A. Franchina, G. Purcaro, P. Q. Tranchida, L. Mondello
(LOW-)FLOW MODULATION COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY FOR THE DETERMINATION OF SUSPECTED ALLERGENS IN FRAGRANCES
Comunicazione Poster
- 1045** XXVI Congresso della Divisione di Chimica Analitica, Giardini Naxos, 18-22 Settembre 2016
G. Micalizzi, M. Utczas, G. Purcaro, D. Sciarrone, L. Mondello
DETAILED CHARACTERIZATION OF COMPLEX NATURAL MATRICES AND IDENTIFICATION OF UNKNOWN COMPOUNDS TO BE ADDED INTO A DEDICATE DATABASE FOR THE FLAVOUR AND FRAGRANCE FIELD
Comunicazione Poster
- 1046** XXVI Congresso della Divisione di Chimica Analitica, Giardini Naxos, 18-22 Settembre 2016
M. Utczas, G. Purcaro, F. Cacciola, D. Giuffrida, L. Mondello

- CHARACTERISATION OF THE VOLATILE AND NON-VOLATILE FRACTION IN PROCESSED AND NATIVE ARBUTUS UNEDO
Comunicazione Poster
- 1047** XXVI Congresso della Divisione di Chimica Analitica, Giardini Naxos, 18-22 Settembre 2016
M. Utczas, G. Micalizzi, G. Purcaro, L. Mondello
EMBEDDED LINEAR RETENTION INDICES IN MS SPECTRA
DATABASE: RELIABLE IDENTIFICATION OF COMPLEX SAMPLES IN THE FLAVOUR AND FRAGRANCE FIELD
Comunicazione Poster
- 1048** XXVI Congresso della Divisione di Chimica Analitica, Giardini Naxos, 18-22 Settembre 2016
D. Sciarrone, L. Mondello
ISOLATION OF UNKNOWN MOLECULES FROM PLANT EXTRACTS EXPLOITING A MULTIDIMENSIONAL GC-PREP SYSTEM FOLLOWED BY NMR, MS AND FTIR FOR STRUCTURAL IDENTIFICATION
Comunicazione Poster
- 1049** XXVI Congresso della Divisione di Chimica Analitica, Giardini Naxos, 18-22 Settembre 2016
P. Donato, V. Infrerra, D. Giuffrida, F. Cacciola, P. Dugo, L. Mondello
SUPERCRITICAL FLUID CHROMATOGRAPHY×ULTRA HIGH PRESSURE LIQUID CHROMATOGRAPHY WITH ION MOBILITY MASS SPECTROMETRY DETECTION
Comunicazione Poster
- 1050** 130th Annual Meeting & Exposition, Dallas, USA, September 18-21, 2016
Mariosimone Zoccali and Luigi Mondello
A unified analytical tool for green extraction and determination of both targeted and untargeted analysis
Comunicazione Orale a Invito
- 1051** 130th Annual Meeting & Exposition, Dallas, USA, September 18-21, 2016
Mariosimone Zoccali, Giorgia Purcaro, Luigi Mondello
On-line liquid-liquid chromatography coupled to gas chromatography for the determination of mineral oil contamination in vegetable oils
Comunicazione Poster
- 1052** XI National Congress of Food Chemistry (CHIMALI2016), Cagliari, October 4-7, 2016
Francesco Cacciola, Paola Donato, Francesca Rigano, Luigi Mondello, Paola Dugo
COMPREHENSIVE LIQUID CHROMATOGRAPHY-TRIPLE QUADRUPOLE MASS SPECTROMETRY FOR DETERMINATION OF WINE BIOACTIVES AND PESTICIDES
Comunicazione Orale

- 1053** XI National Congress of Food Chemistry (CHIMALI2016), Cagliari, October 4-7, 2016
Ivana Bonaccorsi, Luisa Schipilliti, Paola Dugo, Luigi Mondello
 TRACEABILITY OF FOOD INGREDIENTS BY GAS CHROMATOGRAPHY-COMBUSTION-ISOTOPE RATIO MASS SPECTROMETRY (GC-C-IRMS)
 Comunicazione Orale
- 1054** XI National Congress of Food Chemistry (CHIMALI2016), Cagliari, October 4-7, 2016
Marina Russo, Ivana Lidia Bonaccorsi, Luigi Mondello, Paola Dugo
 LIMONIDS IN CITRUS INDUSTRY BY-PRODUCTS, CHARACTERIZATION AND ISOLATION BY MEANS OF HIGH PRESSURE LIQUID CHROMATOGRAPHY
 Comunicazione Orale
- 1055** BMSS Environmental & Food Analysis SIG Meeting at WWEM 2016, Telford, UK, November 02, 2016
Peter Q. Tranchida and Luigi Mondello
 GCxGC/MS and LCxLC/MS for the analysis of environmental and food matrices
 Comunicazione Orale a Invito
- 1056** Seminario Waters, Food Technology News, Milano, 22 Novembre 2016
Paola Donato, Veronica Infrerra, Daniele Giuffrida, Paola Dugo, Luigi Mondello
 Impact of Ultra Performance Convergence Chromatography (UPC²) on the Analysis of Natural Products. Mono- and multidimensional Approaches
 Comunicazione Orale
- 1057** Seminario Waters, Food Technology News, Milano, 22 Novembre 2016
Francesca Rigano, Luigi Mondello
 Use of advanced analytical systems and innovative approaches to improve identification capability in LC
 Comunicazione Orale
- 1058** Seminario Waters, Food Technology News, Milano, 22 Novembre 2016
Mariosimone Zoccali, Luigi Mondello
 Flow-modulated comprehensive 2D gas chromatography combined with Atmospheric Pressure Gas Chromatography triple quad MS detector
 Comunicazione Orale
- 1059** The 20th Annual Meeting of the Israel Analytical Chemistry Society (ISRA 2017), Tel Aviv, Israel, January 24-25, 2017
Mariosimone Zoccali, Luigi Mondello
 COMPREHENSIVE 2D GAS CHROMATOGRAPHY COMBINED WITH RAPID-SCANNING TRIPLE QUADRUPOLE MS: POWERFUL TOOLS FOR THE ANALYSIS OF COMPLEX SAMPLES
 Comunicazione Orale

- 1060** The 20th Annual Meeting of the Israel Analytical Chemistry Society (ISRA 2017), Tel Aviv, Israel, January 24-25, 2017
Mariosimone Zoccali, Antonino Schepis, Luigi Mondello
 Pesticides quantification in food samples by means of scale-reduced QuEChERS approach coupled to fast GC-QqQ MS
 Comunicazione Poster
- 1061** SMART CHEM 2017 Innovazioni nel laboratorio chimico, farmaceutico, agroalimentare, ambientale ed industriale, 2-3 Febbraio 2017
 Daniele Giuffrida, Francesco Cacciola, Paola Donato, Luigi Mondello, Paola Dugo
 Applicazione di metodi analitici avanzati per la caratterizzazione di pigmenti in matrici vegetali
 Comunicazione Orale
- 1062** SMART CHEM 2017 Innovazioni nel laboratorio chimico, farmaceutico, agroalimentare, ambientale ed industriale, 2-3 Febbraio 2017
Mariosimone Zoccali, Mariarosa Maimone, Luigi Mondello
 Gascromatografia multidimensionale “comprehensive” con l’utilizzo di un modulatore a flusso accoppiata ad uno spettrometro di massa a triplo quadrupolo
 Comunicazione Orale
- 1063** Pittcon 2017 Conference & Expo, McCormick Place, Chicago, IL, USA, March 5-9, 2017
Mariosimone Zoccali, Daniele Giuffrida, Danilo Sciarrone, Paola Dugo and Luigi Mondello
 On-line extraction and determination of targeted carotenoids from habanero red (*Capsicum chinense*)
 Comunicazione Orale
- 1064** Pittcon 2017 Conference & Expo, McCormick Place, Chicago, IL, USA, March 5-9, 2017
 Francesca Rigano, Mariosimone Zoccali, Luigi Mondello
 Proposal of a linear retention index (LRI) system for improving identification reliability of triacylglycerol profiles in different lipid samples by liquid chromatography methods
 Comunicazione Poster
- 1065** Pittcon 2017 Conference & Expo, McCormick Place, Chicago, IL, USA, March 5-9, 2017
Mariosimone Zoccali, Francesca Rigano, Luigi Mondello
 Improvement of mineral oil saturated and aromatic hydrocarbons determination in edible oil by liquid-liquid-gas chromatography with dual detection
 Comunicazione Poster

- 1066** 33rd International Symposium on Microscale Separations and Bioanalysis (MSB 2017) Conference Center de Leeuwenhorst, The Netherlands, March 26-29, 2017
Francesca Rigano, Paola Dugo, Luigi Mondello
 High throughput lipidomics by UHPLC methods combined with a novel linear retention index system for identification purposes
 Comunicazione Poster
- 1067** 33rd International Symposium on Microscale Separations and Bioanalysis (MSB 2017) Conference Center de Leeuwenhorst, The Netherlands, March 26-29, 2017
 Mariosimone Zoccali, Daniele Giuffrida, Francesca Rigano, Paola Dugo, and Luigi Mondello
 Apocarotenoids determination in Habanero, by supercritical fluid chromatography-mass spectrometry
 Comunicazione Poster
- 1068** Analytica Vietnam 2017, I.C.E. International Center for Exhibition, Hanoi, Vietnam, March 29-31, 2017
Luigi Mondello
 Comprehensive 2D Chromatography Coupled to QqQ-MS and a Dedicated Quali/quantitative Software
Comunicazione Orale ad Invito (190)
- 1069** Analytica Vietnam 2017, I.C.E. International Center for Exhibition, Hanoi, Vietnam, March 29-31, 2017
M. Utczás, G. Micalizzi, P. Dugo, L. Mondello
 A unique multidimensional identification support in the flavour and fragrance field: FFNSC mass spectral database and Chromatoplus spectra chromatographic software
 Comunicazione Poster
- 1070** Analytica Vietnam 2017, I.C.E. International Center for Exhibition, Hanoi, Vietnam, March 29-31, 2017
 Mariosimone Zoccali, Paola Dugo, Luigi Mondello
 Flow modulated comprehensive 2D gas chromatography combined with a triple-quadrupole mass spectrometer and a useful quali/quantitative tool
 Comunicazione Poster
- 1071** Analytica Vietnam 2017, I.C.E. International Center for Exhibition, Hanoi, Vietnam, March 29-31, 2017
 Francesca Rigano, Marianna Oteri, Margita Utczas, Paola Dugo, Luigi Mondello
 Building of a Linear Retention Index Database of Lipid Components in Liquid Chromatography
 Comunicazione Poster
- 1072** Analytica Vietnam 2017, I.C.E. International Center for Exhibition, Hanoi, Vietnam, March 29-31, 2017
 Francesco Cacciola, Paola Donato, Francesca Rigano, Hernan Cortes, Paola Dugo, Luigi Mondello
 Two-dimensional liquid chromatography coupled to tandem mass spectrometry for “comprehensive” characterization of food and biological samples
 Comunicazione Poster

- 1073** The 41st International Symposium on Capillary Chromatography (ISCC) & The 14th GC×GC Symposium, Fort Worth, TX, USA, May 14-19, 2017
Luigi Mondello
 From two- to five-dimensional separation techniques: a personal journey towards the ultimacy of chromatography and hyphenated detection
Comunicazione Orale ad Invito (191)
- 1074** The 41st International Symposium on Capillary Chromatography (ISCC) & The 14th GC×GC Symposium, Fort Worth, TX, USA, May 14-19, 2017
Paola Dugo
 Novel strategies in comprehensive two-dimensional liquid chromatography for food analysis
 Comunicazione Orale a Invito
- 1075** The 41st International Symposium on Capillary Chromatography (ISCC) & The 14th GC×GC Symposium, Fort Worth, TX, USA, May 14-19, 2017
Danilo Sciarrone, Antonino Schepis, Luigi Mondello
 Enhanced Isotopic Ratio Evaluation of Valuable Food Products Exploiting an MDGC-C-IRMS/qMS System
 Comunicazione Orale
- 1076** The 41st International Symposium on Capillary Chromatography (ISCC) & The 14th GC×GC Symposium, Fort Worth, TX, USA, May 14-19, 2017
Mariosimone Zoccali, Paola Dugo, Luigi Mondello
 On-line liquid-liquid-gas chromatography with dual detection for the determination of mineral oil saturated and aromatic hydrocarbons in vegetable oil
 Comunicazione Orale
- 1077** The 41st International Symposium on Capillary Chromatography (ISCC) & The 14th GC×GC Symposium, Fort Worth, TX, USA, May 14-19, 2017
 Mariarosa Maimone, Mariosimone Zoccali, Paola Dugo, Luigi Mondello
 Determination of biomarkers in petrochemical samples by using FM-GC×GC-QqQ MS
 Comunicazione Orale

- 1078** The 41st International Symposium on Capillary Chromatography (ISCC) & The 14th GC×GC Symposium, Fort Worth, TX, USA, May 14-19, 2017
Paola Donato, Francesco Cacciola, Francesca Rigano, Hernan Cortes, Paola Dugo, Luigi Mondello
 Comprehensive 2D LC coupled to triple quadrupole MS for enhanced resolution and sensitivity
 Comunicazione Poster
- 1079** The 41st International Symposium on Capillary Chromatography (ISCC) & The 14th GC×GC Symposium, Fort Worth, TX, USA, May 14-19, 2017
 Yong Foo Wong, Francesco Cacciola, Soraya Feras, Solange Riga, Darryl James, Valeria Manzin, Brice Bonnet, Philip Marriott, Paola Donato, Paola Dugo, Luigi Mondello
 Untargeted profiling of Glycyrrhiza glabra with comprehensive two-dimensional liquid chromatography-mass spectrometry using multi-segmented shift gradients in second dimension: expanding the metabolite coverage
 Comunicazione Poster
- 1080** The 41st International Symposium on Capillary Chromatography (ISCC) & The 14th GC×GC Symposium, Fort Worth, TX, USA, May 14-19, 2017
Yong Foo Wong, Francesco Cacciola, Katia Arena, Domenica Mangraviti, Francesca Rigano, Philip John Marriott, Paola Dugo, Luigi Mondello
 Comprehensive two-dimensional liquid chromatography-mass spectrometry with shift gradient and “multi-segmented shift gradients”. Designing an eluent strategy for the second dimension based upon chemical knowledge
 Comunicazione Poster
- 1081** The 41st International Symposium on Capillary Chromatography (ISCC) & The 14th GC×GC Symposium, Fort Worth, TX, USA, May 14-19, 2017
Mariosimone Zoccali, Daniele Giuffrida, Paola Dugo, Luigi Mondello
 Fast On-line extraction and determination of targeted carotenoids from food samples
 Comunicazione Poster
- 1082** The 41st International Symposium on Capillary Chromatography (ISCC) & The 14th GC×GC Symposium, Fort Worth, TX, USA, May 14-19, 2017
 Margita Utczás, Giuseppe Micalizzi, Mariarosa Maimone, Luigi Mondello
 Determination of potentially harmful volatiles in e-liquids exploiting a unique devoted mass spectral library with embedded linear retention indices
 Comunicazione Poster
- 1083** The 41st International Symposium on Capillary Chromatography (ISCC) & The 14th GC×GC Symposium, Fort Worth, TX, USA, May 14-19, 2017
 Francesca Rigano, Mariosimone Zoccali, Paola Dugo, Luigi Mondello
 Supercritical fluid chromatography coupled to electron ionization mass spectrometry for a reliable identification of semi-volatile compounds
 Comunicazione Poster

- 1084** VII Congresso Nazionale SINut, Bologna, Italy, 19-20 Maggio 2017
M. Russo, P. Dugo, C. Fanali, L. Mondello
 Caratterizzazione di molecole biologicamente attive in frutti di bergamotto
 Comunicazione Orale
- 1085** VII Congresso Nazionale SINut, Bologna, Italy, 19-20 Maggio 2017
 M. Russo, G. Tripodo, L. Dugo, R. Muleo, M. Zecchini, P. Dugo, L. Mondello,
 L. De Gara, C. Fanali
 Caratterizzazione di composti fenolici in prodotti di scarto del melograno
 Comunicazione Orale
- 1086** Workshop IRMS UNIPR, Parma, Italy, 25-26 maggio 2017
Danilo Sciarrone, Antonino Schepis, Luigi Mondello
 Novel simultaneous detection by isotope ratio mass spectrometry and quadrupole
 mass spectrometry coupled to multidimensional gas chromatography
 Comunicazione Orale
- 1087** 65th ASMS Conference on Mass Spectrometry and Allied Topics, Indianapolis,
 IN, USA, June 4-8, 2017
Francesca Rigano, Luigi Mondello
 Supercritical fluid chromatography coupled to electron ionization mass
 spectrometry: development of a new system
 Comunicazione Poster
- 1088** 65th ASMS Conference on Mass Spectrometry and Allied Topics, Indianapolis,
 IN, USA, June 4-8, 2017
Mariosimone Zoccali, Paola Dugo, Luigi Mondello
 On-line liquid-liquid-gas chromatography-FID/QqQ MS for mineral oil saturated
 and aromatic hydrocarbons determination in vegetable oil
 Comunicazione Poster
- 1089** HPLC 2017 - 45th International Symposium on High-Performance Liquid Phase
 Separations & Related Techniques, Prague, June 18-22, 2017
Paola Dugo, Francesco Cacciola, Paola Donato, Luigi Mondello
 Multidimensional techniques for the analysis of food products
 Comunicazione Orale a Invito
- 1090** HPLC 2017 - 45th International Symposium on High-Performance Liquid Phase
 Separations & Related Techniques, Prague, June 18-22, 2017
Kevin A. Schug, Evelyn H. Wang, Dananjaya Kalu Appulage, Yehia Z.
 Baghdady, Pete C. Combe, Jorge Smith, Frances Carroll, Ty Kahler, Paola
 Donato, Paola Dugo, Luigi Mondello
 Further development of liquid chromatography-triple quadrupole-mass
 spectrometry for top-down intact protein separation and quantitation
 Comunicazione Orale a Invito

- 1091** HPLC 2017 - 45th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Prague, June 18-22, 2017
Mariosimone Zoccali, Daniele Giuffrida, Paola Dugo, Luigi Mondello
 Online supercritical fluid extraction-supercritical fluid chromatography-mass spectrometry for carotenoids determination in red habanero peppers
 Comunicazione Orale
- 1092** HPLC 2017 - 45th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Prague, June 18-22, 2017
Francesca Rigano, Paola Dugo, Luigi Mondello
 Use of a novel linear retention index system as identification tool in liquid chromatography: applications in lipidomics
 Comunicazione Orale
- 1093** HPLC 2017 - 45th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Prague, June 18-22, 2017
Mariosimone Zoccali, Daniele Giuffrida, Paola Dugo, Luigi Mondello
 Online supercritical fluid extraction-supercritical fluid chromatography-mass spectrometry for carotenoids determination in red habanero peppers
 Comunicazione Poster
- 1094** HPLC 2017 - 45th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Prague, June 18-22, 2017
Francesca Rigano, Paola Dugo, Luigi Mondello
 Use of a novel linear retention index system as identification tool in liquid chromatography: applications in lipidomics
 Comunicazione Poster
- 1095** HPLC 2017 - 45th International Symposium on High-Performance Liquid Phase Separations & Related Techniques, Prague, June 18-22, 2017
Marina Russo, Giusy Tripodo, Clementina Vitali, Paola Dugo, Rosario Muleo, Maurizio Zecchini, Luigi Mondello, Chiara Fanali, Laura De Gara
 Characterization of phenolic compounds in juices, pulps, peels and seeds of seven Italian pomegranate *cultivars* by means of RP-HPLC/PDA/MS
 Comunicazione Poster
- 1096** Extech 2017, 19th International Symposium on Advances in Extraction Technologies, Santiago de Compostela, Spain, June 27-30, 2017
 Mariosimone Zoccali, Adriana Arigò, Daniele Giuffrida, Paola Dugo, Luigi Mondello
 Online extraction and determination by subcritical fluid extraction-supercritical fluid chromatography-mass spectrometry of bioactive compounds from food samples
Comunicazione Orale ad Invito (192)
- 1097** Extech 2017, 19th International Symposium on Advances in Extraction Technologies, Santiago de Compostela, Spain, June 27-30, 2017
Mariosimone Zoccali, Paola Dugo, Luigi Mondello
 Efficient removal of olefin and triglycerides by online liquid-liquid chromatography prior to the gas chromatography determination of mineral oil contamination in vegetable oils

Comunicazione Orale

- 1098** 2nd MS NatMED Day. Natural Molecules and Molecular Complexes: Characterization and Biomedical Effects. Aboca – Sansepolcro, June 28th – 30th, 2017
Danilo Sciarrone, Antonino Schepis, Luigi Mondello
Flavor & Fragrance analysis by means of simultaneous IRMS and QUAD MS detection coupled to Multidimensional GC
Comunicazione Orale
- 1099** Giornate di Chimica Analitica in memoria del Prof. Francesco Dondi. Recenti sviluppi in Scienze delle Separazioni e in Bioanalitica, Ferrara, 10-11 Luglio 2017
Danilo Sciarrone, Antonino Schepis and Luigi Mondello
Three-Dimensional GC-Prep Coupled To Spectroscopic Analysis As A Tool For Structural Identification Of Unknown Molecules
Comunicazione Orale
- 1100** Giornate di Chimica Analitica in memoria del Prof. Francesco Dondi. Recenti sviluppi in Scienze delle Separazioni e in Bioanalitica, Ferrara, 10-11 Luglio 2017
Adriana Arigò, Mariosimone Zoccali, Fabio Salafia, Maria Luisa Calabrò, Paola Dugo, Luigi Mondello
Supercritical Fluid Chromatography coupled to Tandem Mass Spectrometry for Limonoid Aglycones Detection in Citrus Essential Oils
Comunicazione Orale
- 1101** Giornate di Chimica Analitica in memoria del Prof. Francesco Dondi. Recenti sviluppi in Scienze delle Separazioni e in Bioanalitica, Ferrara, 10-11 Luglio 2017
Domenica Mangraviti, Francesco Cacciola, Katia Arena, Francesca Rigano, Paola Dugo, Luigi Mondello
Comprehensive Two-dimensional Liquid Chromatography Coupled to Mass Spectrometry for Elucidation of the Polyphenolic Fraction of Pistacia vera from Different Geographical Origin
Comunicazione Orale
- 1102** Giornate di Chimica Analitica in memoria del Prof. Francesco Dondi. Recenti sviluppi in Scienze delle Separazioni e in Bioanalitica, Ferrara, 10-11 Luglio 2017
Giuseppe Micalizzi, Paola Dugo, Luigi Mondello
Method Optimization for Elucidation of Human Blood Fatty Acid Methyl Esters by Using Conventional and Fast Gas Chromatography
Comunicazione Orale

- 1103** Giornate di Chimica Analitica in memoria del Prof. Francesco Dondi. Recenti sviluppi in Scienze delle Separazioni e in Bioanalitica, Ferrara, 10-11 Luglio 2017
Marco Piparo, Barbara Giocastro, Fabrizio Cincotta, Peter Q. Tranchida, Luigi Mondello
 Fast Cryogenic Comprehensive Two-dimensional Gas Chromatography-mass Spectrometry: Concept, Method Optimization and Applications in the Lipid Field
 Comunicazione Orale
- 1104** Giornate di Chimica Analitica in memoria del Prof. Francesco Dondi. Recenti sviluppi in Scienze delle Separazioni e in Bioanalitica, Ferrara, 10-11 Luglio 2017
Antonino Schepis, Danilo Sciarrone and Luigi Mondello
 Novel Simultaneous Detection by Isotope Ratio Mass Spectrometry and Quadrupole Mass Spectrometry Coupled to Multidimensional Gas Chromatography for the Analysis of Valuable Food Products
 Comunicazione Orale
- 1105** Giornate di Chimica Analitica in memoria del Prof. Francesco Dondi. Recenti sviluppi in Scienze delle Separazioni e in Bioanalitica, Ferrara, 10-11 Luglio 2017
Marianna Oteri, Paola Donato, Daniele Giuffrida, Paola Dugo and Luigi Mondello
 Carotenoid Fingerprinting in a Paprika Sample by Supercritical Fluid Chromatography×Ultra High Pressure Liquid Chromatography and Mass Spectrometry Detection
 Comunicazione Orale
- 1106** 8th International Carotenoids Society Symposium, Lucerne, July 9th-14th 2017
Giuffrida D, Zoccali M, Arigò A, Dugo P, Mondello L
 On-line SFE-SFC-MS of Carotenoids and SFC-QqQ-MS of Apocarotenoids from red Habanero (*Capsicum chinense* Jacq.) chilli pepper
 Comunicazione Orale
- 1107** 8th International Carotenoids Society Symposium, Lucerne, July 9th-14th 2017
Giuffrida D, Monnet C, Laurent F, Cacciola F, Oteri M, Le Piver M, Donato P, Mondello L, Roueyre D, Dufossé L
 Carotenoids from the ripening bacteria belonging to the genus *Brevibacterium* impart color to the rind of the Fourme de Montbrison
 PDO French cheese
 Comunicazione Poster
- 1108** IVAS 2017, 10th In Vino Analytica Scientia Symposium, Salamanca, Spain, July 17-20 2017
Luigi Mondello
 Two-dimensional comprehensive liquid chromatography techniques for the analysis of bioactive molecules and contaminants in wine
Comunicazione Orale ad Invito (193)

- 1109** XIX EUROANALYSIS 2017, Europe's Analytical Chemistry Meeting, Stockholm, Sweden, August 28-September 1 2017
Luigi Mondello
 Different Approaches to Multidimensionality in Chromatographic Separations Coupled to Mass Spectrometry Detection to Face Challenging Analytical Tasks
Comunicazione Orale ad Invito (194)
- 1110** XIX EUROANALYSIS 2017, Europe's Analytical Chemistry Meeting, Stockholm, Sweden, August 28-September 1 2017
Paola Dugo, Danilo Sciarrone, Antonino Schepis and Luigi Mondello
 Simultaneous detection by isotope ratio mass spectrometry and quadrupole mass spectrometry coupled to multidimensional gas chromatography
 Comunicazione Poster
- 1111** XIX EUROANALYSIS 2017, Europe's Analytical Chemistry Meeting, Stockholm, Sweden, August 28-September 1 2017
Mariosimone Zoccali, Mariarosa Maimone, Paola Dugo and Luigi Mondello
 Determination of biomarkers in petrochemical samples by using FM-GC×GC-QqQ MS
 Comunicazione Poster
- 1112** 15th Euro Fed Lipid Congress Oil, Fats and Lipids: New Technologies and F. Rigano, M. Oteri, P. Dugo, L. Mondello
 Applications for a Healthier Life, Uppsala, Sweden, 27-30 August 2017
 Reliable Identification of Lipid Biological Samples by High Efficiency Chromatography Techniques and a Novel Lipid Database
 Comunicazione Orale
- 1113** XXVI Congresso Nazionale della Società Chimica Italiana Centro Congressi Hotel Ariston Paestum (SA), Italy, 10-14 settembre 2017
Paola Donato, Veronica Inferrera, Daniele Giuffrida, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Supercritical fluid chromatography × reversed-phase liquid chromatography with quadrupole time-of-flight and ion mobility mass spectrometry detection: a proof of concept
 Comunicazione Orale a Invito
- 1114** XXVI Congresso Nazionale della Società Chimica Italiana Centro Congressi Hotel Ariston Paestum (SA), Italy, 10-14 settembre 2017
Danilo Sciarrone, Antonino Schepis, Luigi Mondello
 Advanced analytical capabilities exploiting isotope ratio mass spectrometry and quadrupole mass spectrometry coupled to multidimensional gas chromatography
 Comunicazione Orale a Invito

- 1115** 48th International Symposium on Essential Oils, Pécs, Hungary, 10-13 September 2017
Luigi Mondello
 Isolation and Characterization of the Oxygen Heterocyclic Compounds (Coumarins, Psoralens, and Polymethoxylated Flavones) in Cosmetic Products
Comunicazione Orale ad Invito (195)
- 1116** 48th International Symposium on Essential Oils, Pécs, Hungary, 10-13 September 2017
Margita Utczás, Giuseppe Micalizzi, Éva Martos, Luigi Mondello
 Analysis of potentially harmful volatiles in e-liquids by HS-GC-MS
 Comunicazione Orale
- 1117** 48th International Symposium on Essential Oils, Pécs, Hungary, 10-13 September 2017
 A. Arigò, M. Zoccali, M. Utczás, M.L. Calabrò, P. Dugo and L. Mondello
 Characterization of limonoids in citrus essential oils by means of supercritical fluid chromatography tandem mass spectrometry (SFC-QqQ MS)
 Comunicazione Poster
- 1118** 24th International Symposium on Electro- and Liquid Phase-Separation Techniques, Gdansk, Poland, 10-13 September, 2017
Mariosimone Zoccali, Luigi Mondello
 A unified analytical tool for green extraction and determination of bioactive compounds from food samples
 Comunicazione Orale a Invito
- 1119** 24th International Symposium on Electro- and Liquid Phase-Separation Techniques, Gdansk, Poland, 10-13 September, 2017
C. Fanali, M. Russo, G. Tripodo, L. Dugo, L. Mondello
 HPLC-PDA/ESI-MS analysis of phenolic compounds in foods and antioxidant activity evaluation: a phytochemical study
 Comunicazione Orale a Invito
- 1120** 5th Weurman Flavour Research Symposium, Graz, Austria September 18th-22nd, 2017
Adriana Arigò, Paola Dugo, Luigi Mondello
 Characterization of the Oxygen Heterocyclic Compounds (Coumarins, Psoralens, and Polymethoxylated Flavones) in Cosmetic Products
 Comunicazione Orale a Invito
- 1121** 23rd International Symposium on Separation Sciences (ISSS 2017), Vienna, Austria, 19-22 September 2017
Luigi Mondello
 Online Subcritical Solvent Extraction and Chromatography for Carotenoid Fingerprinting in Foodstuffs Using Mass Spectrometry Detection
Comunicazione Orale ad Invito (196)

- 1122** 23rd International Symposium on Separation Sciences (ISSS 2017), Vienna, Austria, 19-22 September 2017
Peter Q. Tranchida, Luigi Mondello
 Comprehensive two-dimensional gas chromatography mass spectrometry (GC×GC-MS): Fundamentals and state-of-the-art applications
 Comunicazione Orale a Invito
- 1123** 23rd International Symposium on Separation Sciences (ISSS 2017), Vienna, Austria, 19-22 September 2017
Peter Q. Tranchida, Barbara Giocastro, Marco Piparo, Mariarosa Maimone, Luigi Mondello
 Fast cryogenic comprehensive two-dimensional gas chromatography-mass spectrometry by using a 10 m micro-bore $^1\text{D} + ^2\text{D}$ column: concept, method optimization and applications
 Comunicazione Orale a Invito
- 1124** 23rd International Symposium on Separation Sciences (ISSS 2017), Vienna, Austria, 19-22 September 2017
Margita Utczás, Ana G. Buglia, Antonio C. Marín, Fabio Chinnici, Claudio Riponi, Éva Martos, and Luigi Mondello
 Qualitative study of aroma compounds of wine treated with different additives
 Comunicazione Orale
- 1125** Waters MS TECHNOLOGY DAY 2017, Milano, 19 settembre 2017
Francesca Rigano, Luigi Mondello
 REIMS per il controllo delle frodi alimentari
 Comunicazione Orale
- 1126** XIXth EuroFoodChem Conference, Budapest, Hungary, 4th-6th October 2017
Margita Utczás, Paolo Oliveri, Cristina Malegori, Éva Martos, Luigi Mondello
 Exploitation of a unique mass spectral database with embedded linear retention index for volatile fraction characterization of pistachios with different geographical origin
 Comunicazione Orale
- 1127** 8th International Symposium on Recent Advances in Food Analysis (RAFA 2017), Prague, Czech Republic, November 7-10, 2017
Peter Quinto Tranchida, Mariosimone Zoccali, Luigi Mondello
 THREE-, FOUR-, AND FIVE-DIMENSIONAL LIQUID CHROMATOGRAPHY-GAS CHROMATOGRAPHY-MASS SPECTROMETRY PROCESSES IN FOOD ANALYSIS
 Comunicazione Orale
- 1128** 8th International Symposium on Recent Advances in Food Analysis (RAFA 2017), Prague, Czech Republic, November 7-10, 2017
Mariosimone Zoccali, Adriana Arigò, Marina Russo, Francesca Rigano, Paola Dugo, Luigi Mondello
 Characterization of the Oxygen Heterocyclic Compounds (Coumarins, Psoralens and Polymethoxylated Flavones) in Food Products
 Comunicazione Orale a Invito

- 1129** 8th International Symposium on Recent Advances in Food Analysis (RAFA 2017), Prague, Czech Republic, November 7-10, 2017
Mariosimone Zoccali, Adriana Arigò, Daniele Giuffrida, Paola Dugo, Luigi Mondello
 Online Extracion and Determination of Bioactive Compounds from Food Samples by Means of Supercritical Fluid Extraction-Supercritical Fluid Chromatography-Mass Spectrometry
 Comunicazione Orale
- 1130** 10^o Encontro National de Cromatografia, Bargarca, Portugal, December 4-6, 2017
Paola Dugo, Luigi Mondello
 Comprehensive two-dimensional liquid chromatography in food and natural products analysis
 Comunicazione Orale a Invito
- 1131** 15th International Symposium on Hyphenated Techniques in Chromatography and Separation Technology, Cardiff, UK, January 24th- 26th
Luigi Mondello
 Flow-modulated two-dimensional gas chromatography coupled to tandem mass spectrometry for “comprehensive” characterization of complex samples
Comunicazione Orale ad Invito (197)
- 1132** 15th International Symposium on Hyphenated Techniques in Chromatography and Separation Technology, Cardiff, UK, January 24th- 26th
Paola Dugo, Luigi Mondello
 Exploiting Comprehensive two-dimensional liquid chromatography in food analysis
 Comunicazione Orale a Invito
- 1133** 15th International Symposium on Hyphenated Techniques in Chromatography and Separation Technology, Cardiff, UK, January 24th- 26th
Paola Dugo, Francesco Cacciola, Francesca Rigano, Luigi Mondello
 Analysis of food products using advanced analytical techniques
 Comunicazione Orale a Invito
- 1134** 15th International Symposium on Hyphenated Techniques in Chromatography and Separation Technology, Cardiff, UK, January 24th- 26th
Mariosimone Zoccali, Daniele Giuffrida, Adriana Arigò, Paola Dugo, Luigi Mondello
 Online extraction and determination of carotenoids from food sample by means of supercritical fluid extraction-supercritical fluid chromatography-mass spectrometry
 Comunicazione Orale

- 1135** 15th International Symposium on Hyphenated Techniques in Chromatography and Separation Technology, Cardiff, UK, January 24th- 26th
Mariosimone Zoccali, Luigi Mondello
 Solutions for allergens in fragrances
 Comunicazione Orale a Invito
- 1136** Workshop: L'Ingegneria Agroindustriale: dalla ricerca alle applicazioni, Roma, 9 Febbraio 2018
Paola Dugo, Francesca Rigano, Domenica Mangraviti, Emanuela Trovato, Luigi Mondello
 La tecnologia “iKnife” una nuova metodica ultraveloce per svelare le frodi alimentari
 Comunicazione Orale a Invito
- 1137** 34th International Symposium on Microscale Separations and Bioanalysis (MSB 2018), Rio de Janeiro, Brazil, February 18-21, 2018
Luigi Mondello
 Comprehensive 2D Chromatography Coupled to QqQ-MS for the Analysis of Food
Comunicazione Orale ad Invito (198)
- 1138** 34th International Symposium on Microscale Separations and Bioanalysis (MSB 2018), Rio de Janeiro, Brazil, February 18-21, 2018
Paola Dugo, Luigi Mondello
 Comprehensive Two-dimensional Liquid Chromatography for the Analysis of Natural products
 Comunicazione Orale a Invito
- 1139** 5th Kuwait Conference of Chemistry (KCC 2018), Kuwait City, March 12- 14th, 2018
P.Q. Tranchida, M. Zoccali, L. Mondello
 An Innovative 5-Dimensional System (LC-GC×GC-MS/MS) for the Analysis of Petroleum Derivatives
 Comunicazione Orale a Invito
- 1140** 1st LC×LC symposium short course: Riva del Garda, Sunday May 13, 2018-01-05
Paola Dugo, Luigi Mondello
 Introduction to 2D-LC - Basic principles
 Course title: Comprehensive 2D-LC (LC×LC): Introduction, Advances and Applications
 Comunicazione Orale a Invito

- 1141** 1st LC×LC symposium short course: Riva del Garda, Sunday May 13, 2018-01-05
Paola Dugo, Luigi Mondello
 Selected applications. Food & natural products
 Course title: Comprehensive 2D-LC (LC×LC): Introduction, Advances and Applications
 Comunicazione Orale a Invito
- 1142** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Paola Dugo, Luigi Mondello
 Comprehensive 2D-LC in the analysis of food products
 Comunicazione Orale a Invito
- 1143** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Peter Q. Tranchida, Ivan Aloisi, Barbara Giocastro, Luigi Mondello
 Enhancing the identification potential of comprehensive 2D GC-MS by using soft ionization
 Comunicazione Orale a Invito
- 1144** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Daniilo Sciarrone, Antonino Schepis and Luigi Mondello
 Multidimensional liquid-gas chromatography coupled to a simultaneous detection by isotope ratio mass spectrometry and quadrupole mass spectrometry for olive oil triglycerides analysis
 Comunicazione Orale
- 1145** 42nd International Symposium on Capillary Chromatography and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18 2018
Mariosimone Zoccali, Luigi Mondello.
 On-line coupled liquid chromatography – comprehensive two dimensional gas chromatography with dual detection for the analysis of mineral oil and synthetic hydrocarbons in cosmetic lip products.
 Comunicazione Orale
- 1146** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Ivan Aloisi, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 Flow-modulation comprehensive 2D GC combined with triple-quadrupole mass spectrometry: a very powerful and flexible analytical tool
 Comunicazione Orale
- 1147** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Margita Utczás, Emanuela Trovato, Filippo Alibrando, Federica Vento, Luigi Mondello
 Gas chromatography coupled with condensed phase FTIR: a novel and reliable technique for flavor and fragrance analysis
 Comunicazione Orale

- 1148** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Mariosimone Zoccali, Fabio Salafia, Daniele Giuffrida, Paola Dugo, Luigi Mondello
 Extraction and characterization of carotenoids and apo-carotenoids from microalgae by means of supercritical fluid extraction-supercritical fluid chromatography tandem mass spectrometry
 Comunicazione poster
- 1149** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
 Ivana Bonaccorsi, Luisa Schipilliti, Peter Q. Tranchida, Luigi Mondello
 A new method based on comprehensive data evaluation (CDE) of $\delta^{13}\text{C}$ for quality assessment and traceability of natural compounds
 Comunicazione poster
- 1150** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
 Barbara Giocastro, Marco Piparo, Peter Q. Tranchida, Luigi Mondello
 Fast comprehensive 2D GC-MS using a 10-m column combination
 Comunicazione poster
- 1151** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Ivan Aloisi, Peter Q. Tranchida, Luigi Mondello
 Cryogenically-modulated comprehensive two-dimensional gas chromatography-high resolution time-of-flight mass spectrometry: detailed qualitative profiling of the unsaponifiable fraction of vegetable oils
 Comunicazione poster
- 1152** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Barbara Giocastro, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 Evaluation and use of a novel consumable-free thermal modulator and a bench-top time-of-flight mass spectrometer in comprehensive 2D GC applications
 Comunicazione poster
- 1153** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Marianna Oteri, Francesca Rigano, Paola Donato, Peter Tranchida, Paola Dugo, Luigi Mondello
 Profiling of triacylglycerols in vegetable oils by using MALDI-TofMS and HPLC-MS: A side-by-side comparison
 Comunicazione poster

- 1154** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Fabio Salafia, Daniele Giuffrida, Mariosimone Zoccali, Paola Dugo, Luigi Mondello
 Characterization of carotenoids and apocarotenoids in human blood samples by means of online supercritical fluid extraction supercritical fluid chromatography tandem mass spectrometry
 Comunicazione poster
- 1155** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Daniele Giuffrida, Daniella C. Murador, Fabio Salafia, Mariosimone Zoccali, Adriana Arigò, Vieridiana V. De Rosso, Paola Dugo, Luigi Mondello
 Bioactive compounds in orange peel from a brazilian variety ('Pera')
 Comunicazione poster
- 1156** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Adriana Arigò, Mariosimone Zoccali, Fabio Salafia, Paola Dugo, Luigi Mondello
 Supercritical fluid chromatography tandem mass spectrometry to characterize limonoid aglycones in citrus essential oils
 Comunicazione poster
- 1157** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Mariosimone Zoccali, Fabio Salafia, Daniele Giuffrida, Carmen Socaciu, Paola Dugo, Luigi Mondello
 Extraction and characterization of carotenoids and apo-carotenoids from microalgae by means of supercritical fluid extractionsupercritical fluid chromatography tandem mass spectrometry
 Comunicazione poster
- 1158** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Katia Arena, Francesco Cacciola, Fabio Salafia, Francesca Rigano, Mariosimone Zoccali, Paola Dugo, Luigi Mondello
 Comprehensive two-dimensional liquid chromatography coupled to tandem mass spectrometry for quali-quantitative analysis of the polyphenolic fraction of extra virgin olive oils
 Comunicazione poster
- 1159** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Yassine Oulad El Majdoub, Mohammed Diouri, Paola Arena, Adriana Arigò, Francesco Cacciola, Paola Dugo, Luigi Mondello
 HPLC-PDA/ESI-MS analysis of available polyphenols of Hibiscus sabdariffa and Zingiber officinale within rat colon lumen
 Comunicazione poster

- 1160** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Antonino Schepis, Danilo Sciarrone, Gemma De Grazia, Luigi Mondello
 Preparative three dimensional gas chromatography: a powerful approach for the isolation of pure molecules
 Comunicazione poster
- 1161** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Danilo Sciarrone, Luigi Mondello
 Innovative all-in-one MDGC system for fast Heart-cut analysis of complex samples
 Comunicazione poster
- 1162** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Emanuela Trovato, Margita Utczás, Luigi Mondello
 Cannabis terpene profiling in medicinal products by gas chromatography coupled with mass spectrometry and linear retention index
 Comunicazione poster
- 1163** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Paola Donato, Giuseppe Micalizzi, Marianna Oteri, Francesca Rigano, Danilo Sciarrone, Paola Dugo, Luigi Mondello
 Profiling of marine organism lipidome using hyphenated and multidimensional chromatography techniques coupled to mass spectrometry detection
 Comunicazione poster
- 1164** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Paola Donato, Daniele Giuffrida, Marianna Oteri, Paola Dugo, Luigi Mondello
 Supercritical fluid chromatography×ultrahigh pressure liquid chromatography for *Paprika* fingerprinting by Q-TOF and ion mobility spectrometry
 Comunicazione poster
- 1165** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
A. Arigò, F. Rigano, P. Dugo, L. Mondello
 Linear Retention Index approach applied to LC techniques for reliable characterization of oxygen heterocyclic compounds in cosmetics
 Comunicazione poster
- 1166** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Jitka Klikarová, Oriana Colletta, Francesco Cacciola, Paola Dugo, Lenka Česlová, Luigi Mondello
 Optimization and validation of an HPLC-PDA/ESI-MS method for the determination of polyphenols in extra virgin olive oils

Comunicazione poster

- 1167** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Giuseppe Micalizzi, Emanuela Ragosta, Paola Dugo, Luigi Mondello
Method optimization for elucidation of human blood fatty acid methyl esters by gas chromatography
Comunicazione poster
- 1168** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Antonino Schepis, Danilo Sciarrone, Gemma De Grazia, Luigi Mondello
Simultaneous detection by isotope ratio mass spectrometry and quadrupole mass spectrometry coupled to multidimensional gas chromatography for analysis of truffle aromatized food products
Comunicazione poster
- 1169** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Antonino Schepis, Danilo Sciarrone, Luigi Mondello
Multidimensional gas chromatography with simultaneous detection by quadrupole mass spectrometry and isotope ratio mass spectrometry for the investigation of *Vanilla* aromatized ice-cream adulteration
Comunicazione poster
- 1170** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Antonino Schepis, Danilo Sciarrone, and Luigi Mondello
Online LC pre-separation coupled to Heart-cutting MDGC-Prep as a tool for collection of target compounds
Comunicazione poster
- 1171** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Antonino Schepis, Danilo Sciarrone, Luigi Mondello
Advanced genuineness assessment capability in flavor and fragrance field exploiting multidimensional gas chromatography coupled to isotope ratio mass
Comunicazione poster
- 1172** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Federica Vento, Emanuela Trovato, Margita Utczás, Luigi Mondello
Identification of fragrance allergens by GC-TOF analysis
Comunicazione poster

- 1173** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Katia Arena, Francesco Cacciola, Domenica Mangraviti, Francesca Rigano, Paola Dugo, Luigi Mondello
 Comprehensive Two-dimensional Liquid Chromatography Coupled to Mass Spectrometry for Elucidation of the Polyphenolic Fraction of Pistacia vera from Different Geographical Origin
 Comunicazione poster
- 1174** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Domenica Mangraviti, Francesca Rigano, Roberta La Tella, Luigi Mondello
 IKNIFE: a new sampling device coupled to rapid evaporative ionization mass spectrometry for the detection of food fraud
 Comunicazione poster
- 1175** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
 Francesca Rigano, Sara Stead, Domenica Mangraviti, Renata Jandova, Davy Petit, Luigi Mondello
 Authenticity of pistachio samples through the innovative rapid evaporative ionization mass spectrometry technology
 Comunicazione poster
- 1176** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Marina Russo, Chiara Fanali, Laura Dugo, Paola Dugo, Luigi Mondello Laura De Gara
 Determination of caffeine in coffee and cocoa using online extraction coupled to liquid chromatography
 Comunicazione poster
- 1177** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Marina Russo, Maria Beatrice Ronci, Alessandra Vilmercati, Luigi Mondello, Paola Dugo, Laura De Gara
 Determination of bioactive molecules in Baobab (*Adansonia digitata*) fruit from Tanzania using liquid chromatography
 Comunicazione poster
- 1178** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Chiara Fanali, Susanna Della Posta, Alessandra Vilmercati, Laura Dugo, Marina Russo, Luigi Mondello, Laura De Gara
 Phenolic compounds analysis and antioxidant activity evaluation of different PDO Italian extra-virgin olive oils
 Comunicazione poster

- 1179** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Filippo Alibrando, Emanuela Trovato, Margita Utczas, Luigi Mondello
 MS/MS spectral library with linear retention indices: a powerful tool for identification of pesticides in complex matrices
 Comunicazione poster
- 1180** 42nd International Symposium on Capillary Chromatography, and 15th GC×GC Symposium, Riva del Garda, Italy, May 13-18, 2018
Emanuela Ragosta, Giuseppe Micalizzi, Sara Farnetti, Paola Dugo, Luigi Mondello
 Role of lipids in female infertility: determination of the fatty acid methyl esters profile in follicular fluid by GC analysis
 Comunicazione poster
- 1181** 12th European Pesticide Residue Workshop, Munich, Germany, May 22-25, 2018
Emanuela Trovato, Margita Utczás, Filippo Alibrando, Federica Vento, Luigi Mondello
 Untargeted pesticide screening in foodstuff with the support of an extensive mass spectral library with embedded linear retention indices
 Comunicazione poster
- 1182** 11th International Symposium on Chromatography of Natural Products, Lublin, Poland, June 4-7, 2018.
Tranchida PQ, Zoccali M, Mondello L
 On-line subcritical solvent extraction and chromatography for carotenoid fingerprinting in foodstuffs using mass spectrometry detection
 Comunicazione Orale a Invito
- 1183** Workshop Flavors&Fragrances Polimi, Milano 11-06-2018
Paola Dugo, Danilo Sciarrone, Ivana Bonaccorsi, Luigi Mondello
 Multidimensional gas chromatography coupled to isotope ratio mass spectrometry for the determination of authenticity of essential oils and food products
 Comunicazione Orale a Invito
- 1184** XII Congresso Società Italiana di Microbiologia Farmaceutica, Camerino, 21-22 giugno 2018
 Hajer Tlili, Andreana Marino, Giovanna Ginestra, Francesco Cacciola, Luigi Mondello, Natalizia Miceli, Maria Fernanda Taviano, Hanen Najjaa, Antonia Nostro
 Antibacterial Activity, brine shrimp toxicity and profile of plant extracts from Tunisia
 Comunicazione poster

- 1185** ISEAC-40 Santiago de Compostela, Spain, June 19-22 2018
E. Trovato, M. Utczás, F. Alibrando, F. Vento, L. Mondello
 Improved reliability and decreased limit of pesticide identification with a unique MS/MS spectral library with embedded linear retention indices
 Comunicazione poster
- 1186** ISEAC-40 Santiago de Compostela, Spain, June 19-22 2018
 M. Zoccali, E. Trovato, L. Mondello
 Fast Online extraction and determination method for carotenoids screening in food Samples by means of supercritical fluid extraction-supercritical fluid chromatography-mass spectrometry
 Comunicazione poster
- 1187** 47th International Symposium and Exposition on High Performance Liquid Phase Separations and Related Techniques, Washington DC, USA, 29 Jul-02 Aug 2018
Mariosimone Zoccali, Daniele Giuffrida, Fabio Salafia, Paola Dugo, Luigi Mondello
 Characterization of carotenoids and apocarotenoids in Human blood samples by means of online supercritical fluid extraction supercritical fluid chromatography tandem mass spectrometry
 Comunicazione orale
- 1188** 47th International Symposium and Exposition on High Performance Liquid Phase Separations and Related Techniques, Washington DC, USA, 29 Jul-02 Aug 2018
Mariosimone Zoccali, Luigi Mondello
 Liquid chromatography as sample preparation technique on-line coupled to comprehensive two-dimensional gas chromatography with dual detection for the analysis of mineral oil and synthetic hydrocarbons in cosmetic lip products
 Comunicazione poster
- 1189** 132nd Annual Meeting & Exposition, Toronto, Canada, August 26 -29, 2018
 Mariosimone Zoccali, Adriana Arigò, Luigi Mondello
 Effects of supercritical fluid chromatography conditions on separation of chiral pesticides
 Comunicazione poster
- 1190** 132nd Annual Meeting & Exposition, Toronto, Canada, August 26 -29, 2018
Adriana Arigò, Francesca Rigano, Paola Dugo, Luigi Mondello
 Application of Linear Retention Index and evaluation of Limit of Quantification in Liquid Chromatography coupled to Photodiode Array Detector for the reliable Characterization of Furocoumarins in Citrus Essential Oils
 Comunicazione poster

- 1191** 132nd Annual Meeting & Exposition, Toronto, Canada, August 26-29, 2018
Adriana Arigò, Francesca Rigano, Paola Dugo, Luigi Mondello
 Application of Linear Retention Index and evaluation of Limit of Quantification in Liquid Chromatography coupled to Photodiode Array Detector for the reliable Characterization of Furocoumarins in Citrus Essential Oils
 Comunicazione poster
- 1192** XXII International Mass Spectrometry Conference (IMSC 2018), Florence, Italy, August, 26-31, 2018
Francesca Rigano, Marianna Oteri, Paola Dugo, Luigi Mondello
 Reliable identification of bioactive compounds in foodstuffs through the use of a novel dual-filter mass spectral library in liquid chromatography
 Comunicazione orale
- 1193** XXII International Mass Spectrometry Conference (IMSC 2018), Florence, Italy, August, 26-31, 2018
Francesca Rigano, Domenica Mangraviti, Luigi Mondello
 Iknife, a novel ambient mass spectrometry approach for the real-time identification of food samples
 Comunicazione poster
- 1194** XVII SILAE Congress, September 9-13th 2018, Milazzo, Italy
Cacciola F., Dugo P., Mondello L.
 Comprehensive two-dimensional liquid chromatography in food and natural products analysis
 Comunicazione orale
- 1195** XVII SILAE Congress, September 9-13th 2018, Milazzo, Italy
Ivana Bonaccorsi, Luisa Schipilliti, Luigi Mondello
 Comprehensive Isotopic Data Evaluation (CIDE) of Carbon Isotope Ratios for Quality Assessment and Traceability of Natural Compounds
 Comunicazione orale
- 1196** 49th International Symposium on Essential Oils (ISEO 2018), Niš, Serbia, 13th-16th September, 2018
Adriana Arigò, Paola Dugo, Luigi Mondello
 Linear retention index approach applied to liquid chromatography coupled to PDA and QqQ MS detectors for reliable characterization of oxygen heterocyclic compounds in essential oils and finished cosmetic products
Comunicazione Orale ad Invito (199)
- 1197** 49th International Symposium on Essential Oils (ISEO 2018), Niš, Serbia, 13th-16th September, 2018
Margita Utczas, Emanuela Trovato, Filippo Alibrando, Federica Vento, Luigi Mondello
 Novel analytical tool for a univocal flavor and fragrance identification: gas chromatography coupled with condensed-phase FTIR and TOF mass spectrometry
 Comunicazione orale

- 1198** 49th International Symposium on Essential Oils (ISEO 2018), Niš, Serbia, 13th-16th September, 2018
Margita Utczas, Emanuela Trovato, Filippo Alibrando, Federica Vento, Luigi Mondello
 Cannabis terpene profiling in therapeutic products by means of gas chromatography coupled with mass spectrometry
 Comunicazione poster
- 1199** XXVII Congresso Divisione Chimica Analitica, Bologna, Italy, September 16-20, 2018
P.Q. Tranchida, I. Aloisi, B. Giocastro, M. Zoccali, P. Dugo, L. Mondello
 Detailed profiling of extra-virgin olive oils by using comprehensive two-dimensional gas chromatography with dual quadrupole mass spectrometry and flame ionization detection
 Comunicazione orale
- 1200** XXVII Congresso Divisione Chimica Analitica, Bologna, Italy, September 16-20, 2018
C. Fanali, S. Della Posta, A. Vilmercati, L. Dugo, M. Russo, T. Petitti, L. Mondello, L. De Gara
 Extraction, analysis and antioxidant activity evaluation of phenolic compounds in different Italian extra-virgin olive oils
 Comunicazione orale
- 1201** 49th International Symposium on Essential Oils (ISEO 2018), Niš, Serbia, 13th-16th September, 2018
 D. Sciarrone, A. Schepis, L. Mondello
 Authentification of truffles and products containing truffle by means of MDGC-C-IRMS qMS with a low-bleed ionic liquid secondary column
 Comunicazione poster
- 1202** XXVII Congresso Divisione Chimica Analitica, Bologna, Italy, September 16-20, 2018
D. Sciarrone, A. Schepis, L. Mondello
 Multidimensional liquid-gas chromatography coupled to a simultaneous isotope ratio and quadrupole mass spectrometry for olive oil triglycerides analysis
 Comunicazione poster
- 1203** 32nd International Symposium on Chromatography (ISC 2018), Cannes-Mandelieu, France, September 23-27, 2018
Luigi Mondello
 The Linear Retention Index Approach: Tool for Dispelling Uncertainties in LC-MS Based Identification
Comunicazione Orale ad Invito (200)

- 1204** 32nd International Symposium on Chromatography (ISC 2018), Cannes-Mandelieu, France, September 23-27, 2018
A. Arigò, F. Rigano, P. Dugo, L. Mondello
 Application of Linear Retention Indices in Liquid Chromatography for Reliable Characterization of Oxygen Heterocyclic Compounds in Cosmetics
 Comunicazione orale
- 1205** 32nd International Symposium on Chromatography (ISC 2018), Cannes-Mandelieu, France, September 23-27, 2018
A. Arigò, F. Rigano, P. Dugo, L. Mondello
 Application of Linear Retention Indices in Liquid Chromatography for Reliable Characterization of Oxygen Heterocyclic Compounds in Cosmetics
 Comunicazione poster
- 1206** 32nd International Symposium on Chromatography (ISC 2018), Cannes-Mandelieu, France, September 23-27, 2018
Adriana Arigò, Katia Arena, Francesco Cacciola, Fabio Salafia, Francesca Rigano, Mariosimone Zoccali, Paola Dugo, Luigi Mondello
 Advantages of Comprehensive Two-Dimensional Liquid Chromatography on Separation and Matrix Effects in the Polyphenol Profiling of Extra Virgin Olive Oils
 Comunicazione poster
- 1207** CHIMALI-XII Italian Food Chemistry Congress, Camerino, Italy, September 24-27 2018.
Paola Dugo, Luigi Mondello
 The role of innovative analytical techniques in food chemistry
 Comunicazione Orale a Invito
- 1208** CHIMALI-XII Italian Food Chemistry Congress, Camerino, Italy, September 24-27 2018.
Peter Q. Tranchida, Ivan Aloisi, Mariosimone Zoccali, Paola Dugo, Luigi Mondello
 In-depth profiling of the unsaponifiable fraction of vegetable oils by using comprehensive 2D gas chromatography-high resolution time-of-flight mass spectrometry
 Comunicazione orale
- 1209** CHIMALI-XII Italian Food Chemistry Congress, Camerino, Italy, September 24-27 2018.
Marianna Oteri, Paola Donato, Daniele Giuffrida, Paola Dugo, Luigi Mondello
 Applications of Supercritical Fluid Chromatography-Mass Spectrometry for the Analysis of the Lipid Profile of Matrices of Nutritional Value
 Comunicazione poster

- 1210** 2nd International Conference on Food Bioactives & Health, Lisbon, Portugal, September 26-28 2018.
Daniele Giuffrida, Daniella C. Murador, Fabio Salafia, Mariosimone Zoccali, Adriana Arigò, Veridiana V. De Rosso, Paola Dugo, Luigi Mondello
 Bioactive compounds in orange peel from a Brazil variety (“Pera”)
 Comunicazione poster
- 1211** 9th Shanghai International Symposium on Analytical Chemistry (analytical China Conference 2018), Shanghai, China, October 31-November 01, 2018.
Peter Q. Tranchida, Paola Dugo and L. Mondello
 “Comprehensive 2D chromatography (GC×GC, LC×LC) coupled to triple-quadrupole mass spectrometry for complex sample analysis using a dedicated qualitative/quantitative software”
 Comunicazione orale
- 1212** Incontri di Scienza delle Separazioni 2018, Roma, Italy, 8-9 Novembre 2018
Daniilo Sciarrone, Antonino Schepis and Luigi Mondello
 Multidimensional liquid-gas chromatography coupled to a simultaneous detection by isotope ratio mass spectrometry and quadrupole mass spectrometry for olive oil triglycerides analysis
 Comunicazione orale
- 1213** Incontri di Scienza delle Separazioni 2018, Roma, Italy, 8-9 Novembre 2018
Adriana Arigò, Paola Dugo, Luigi Mondello
 Indici di Ritenzione Lineare applicati alla Cromatografia Liquida associata a Rivelatori PDA e MS per la Determinazione dei Composti Eterociclici Ossigenati negli Oli Essenziali Agrumari e nei Prodotti Cosmetici
 Comunicazione orale
- 1214** Incontri di Scienza delle Separazioni 2018, Roma, Italy, 8-9 Novembre 2018
Barbara Giocastro, Mariosimone Zoccali, Peter Quinto Tranchida, Luigi Mondello
 Valutazione di un Nuovo Modulatore Termico Consumable-Free (Solid State Modulator) per la Gascromatografia Bidimensionale Comprehensive
 Comunicazione orale
- 1215** Incontri di Scienza delle Separazioni 2018, Roma, Italy, 8-9 Novembre 2018
Giuseppe Micalizzi, Emanuela Ragosta, Sara Farnetti, Paola Dugo, Luigi Mondello
 Sviluppo di un Metodo Analitico Totalmente Automatico per la Valutazione degli acidi grassi nel sangue umano tramite gas cromatografia
 Comunicazione orale
- 1216** Incontri di Scienza delle Separazioni 2018, Roma, Italy, 8-9 Novembre 2018
Fabio Salafia, Mariosimone Zoccali, Daniele Giuffrida, Paola Dugo, Luigi Mondello
 Determinazione di Carotenoidi e Apocarotenoidi nel Sangue Umano Mediante Estrazione e Cromatografia a Fluido Supercritico
 Comunicazione orale

- 1217** Incontri di Scienza delle Separazioni 2018, Roma, Italy, 8-9 Novembre 2018
Mariosimone Zoccali, Peter Quinto Tranchida, Simone Cappello, Luigi Mondello
 Utilizzo di Tecniche Gascromatografiche Multidimensionali Comprehensive per la Caratterizzazione della Biodegradazione Idrocarburica ad Opera di Popolazioni Microbiche Marine
 Comunicazione orale
- 1218** Incontri di Scienza delle Separazioni 2018, Roma, Italy, 8-9 Novembre 2018
Matteo Gionfriddo, Marina Russo, Maria Beatrice Ronci, Alessandra Vilmercati, Luigi Mondello, Laura De Gara
 Cromatografia Liquida accoppiata a Spettrometria di Massa per la caratterizzazione di Molecole Bioattive in Baobab
 Comunicazione orale
- 1219** Incontri di Scienza delle Separazioni 2018, Roma, Italy, 8-9 Novembre 2018
Fabio Salafia, Marina Russo, Paola Dugo, Luigi Mondello
 Sviluppo di un Metodo HPLC Rapido per l'Analisi di Tocoferoli in Oli Extravergine di Oliva
 Comunicazione orale
- 1220** Incontri di Scienza delle Separazioni 2018, Roma, Italy, 8-9 Novembre 2018
Adriana Arigò, Katia Arena, Francesco Cacciola, Fabio Salafia, Francesca Rigano, Mariosimone Zoccali, Paola Dugo, Luigi Mondello
 Vantaggi della Cromatografia Liquida Bidimensionale Comprehensive sulla Separazione e l'Effetto Matrice nel Profilo Polifenolico degli Oli Extra Vergine di Oliva
 Comunicazione orale
- 1221** 10th Multidimensional Chromatography Workshop, Liege, Belgium, January 21-23, 2019
Ivan Aloisi, Tiago Schena, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 Flow-modulation comprehensive 2D GC within the context of complex sample analyses
 Comunicazione orale
- 1222** Pittcon 2019 Philadelphia, PA, USA, March 17-21, 2019
 Luigi Mondello, Francesca Rigano
 Nano-LC Coupled to EI-MS for a Fast and Reliable Untargeted Characterization of LC-Amenable Compounds
 Comunicazione orale
- 1223** Società italiana di Farmacologia (SIF2019), Le basi farmacologiche dei Nutraceutici, Napoli, Italy, March 29-30, 2019
 De Pasquale D, Occhiuto C, Aloisi I, Santoro G, Tranchida PQ, Mondello L, Puglisi G, Occhiuto F

Pharmacological effects of the standardized Lipidosterolic Extract from *Kigelia africana* fruits in experimental Benign Prostatic Hyperplasia induced by testosterone in Sprague Dawley Rats
Comunicazione poster

- 1224** AOCS Annual Meeting, St. Louis, Missouri, USA, May 5-8, 2019
Luigi Mondello
Fast GC and GC×GC Approaches to Detailed Fatty Acid Fingerprinting in Natural Fats and Oils
Comunicazione Orale ad Invito (201)
- 1225** AOCS Annual Meeting, St. Louis, Missouri, USA, May 5-8, 2019
Luigi Mondello
Exploiting multidimensionality in separation/detection techniques: an effort towards accurate and precise lipid analysis in a complex scenario
Comunicazione Orale ad Invito (202)
- 1226** AOCS Annual Meeting, St. Louis, Missouri, USA, May 5-8, 2019
Danilo Sciarrone, Luigi Mondello
Olive oil triglycerides analysis exploiting multidimensional liquid-gas chromatography coupled to isotope ratio and quadrupole mass spectrometry simultaneous detection
Comunicazione poster
- 1227** AOCS Annual Meeting, St. Louis, Missouri, USA, May 5-8, 2019
Francesca Rigano, Danilo Sciarrone, Marianna Oteri, Paola Dugo, Luigi Mondello
Reliable identification of intact lipids by high efficiency liquid chromatography techniques and a novel linear retention index database
Comunicazione poster
- 1228** AOCS Annual Meeting, St. Louis, Missouri, USA, May 5-8, 2019
Giuseppe Micalizzi, Danilo Sciarrone, Luigi Mondello
Development of a fully automatic analytical method for the evaluation of fatty acids in human blood spotted on DBS paper by gas chromatography
Comunicazione poster (37)
- 1229** 43rd International Symposium on Capillary Chromatography & 16th GC×GC Symposium, Fort Worth, Texas USA, May 12-17, 2019
Luigi Mondello
Exploiting Comprehensive Two-dimensional Liquid Chromatography for the Analysis of Food and Natural Real-world samples
Comunicazione Orale ad Invito (203)

- 1230** 43rd International Symposium on Capillary Chromatography & 16th GCxGC Symposium, Fort Worth, Texas USA, May 12-17, 2019
Peter Q. Tranchida, Ivan Aloisi, Mariosimone Zoccali, Barbara Giocastro, Tiago Schena, Luigi Mondello
 Generation of identical (or near-to-identical) flow- and cryogenic-modulator GCxGC-MS fingerprints: a side-by-side measurement of the modulation performances
 Comunicazione orale
- 1231** 43rd International Symposium on Capillary Chromatography & 16th GCxGC Symposium, Fort Worth, Texas USA, May 12-17, 2019
Barbara Giocastro, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 Evaluation of a novel consumable-free thermal modulator: Gas flow optimization aspects
 Comunicazione orale
- 1232** 43rd International Symposium on Capillary Chromatography & 16th GCxGC Symposium, Fort Worth, Texas USA, May 12-17, 2019
Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 A lab-developed interface for LC-GC coupling based on the use of a modified programmed temperature vaporizing injector
 Comunicazione orale
- 1233** 43rd International Symposium on Capillary Chromatography & 16th GCxGC Symposium, Fort Worth, Texas USA, May 12-17, 2019
Barbara Giocastro, Danilo Sciarrone, Ivan Aloisi, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 Use of GCxGC-QMS for the analysis of potential biomarkers in biological lipid constituents
 Comunicazione poster
- 1234** 43rd International Symposium on Capillary Chromatography & 16th GCxGC Symposium, Fort Worth, Texas USA, May 12-17, 2019
 Ivan Aloisi, Barbara Giocastro, Mariosimone Zoccali, Peter Q. Tranchida, Paola Dugo, Luigi Mondello
 Cryogenically-modulated comprehensive two-dimensional gas chromatography-high resolution time-of-flight mass spectrometry for the in-depth analysis of minor compounds in vegetable oils
 Comunicazione poster
- 1235** Challenges in analysis of complex natural mixtures Faraday Discussion Edinburgh, United Kingdom, May 13-15, 2019
Danilo Sciarrone, Antonino Schepis, Gemma De Grazia, Luigi Mondello
 Collection and identification of an unknown component from Eugenia uniflora essential oil exploiting a multidimensional preparative three-GC system employing apolar, mid-polar and ionic liquid stationary phases
 Comunicazione Orale a Invito
- 1236** Challenges in analysis of complex natural mixtures Faraday Discussion Edinburgh, United Kingdom, May 13-15, 2019
 A. Arigò, D. Sciarrone, P. Dugo, L. Mondello

Linear Retention Indices in combination with MS libraries for Automated and Reliable Characterization of Psoralens in Citrus Beverages
Comunicazione poster

- 1237** Challenges in analysis of complex natural mixtures Faraday Discussion Edinburgh, United Kingdom, May 13-15, 2019
Francesca Rigano, Roberta La Tella, Danilo Sciarrone, Paola Dugo, Luigi Mondello
Supercritical fluid chromatography hyphenated to electron ionization mass spectrometry to enhance identification reliability of semi-volatile compounds
Comunicazione poster
- 1238** Politechnika Wroclawska, Wroclav, Poland, June 3, 2019
Luigi Mondello
The role of a Spin-off Company in Analytical Chemistry. How to monetize Science
Comunicazione Orale ad Invito (204)
- 1239** Politechnika Wroclawska, Wroclav, Poland, June 4, 2019
Luigi Mondello
Separation Science and Food Chemistry the Perfect Marriage
Comunicazione Orale ad Invito (205)
- 1240** 67th ASMS Conference on Mass Spectrometry and Allied Topics, Atlanta, USA, June 2-6, 2019
Francesca Rigano, Roberta La Tella, Paola Dugo, Luigi Mondello
Electron ionization mass spectrometry as detection system for supercritical fluid chromatography to increase identification power of semi-volatile compounds
Comunicazione poster
- 1241** 10th Colloquium Chemiometricum Mediterraneum, Menorca, Spain, June 12-14, 2019
Eleonora Mustorgi, Monica Casale, Maryam Hooshyari, Cristina Malegori, Paolo Oliveri, Marianna Oteri, Luigi Mondello
PLS regression models for the determination of EVOO quality parameters by NIR spectroscopy: a comparative study
Comunicazione poster
- 1242** 48th International Symposium on High-Performance Liquid Phase Separations and Related Techniques, Milan, Italy, June 16-20, 2019
Paola Dugo, Francesco Cacciola, Francesca Rigano and Luigi Mondello
Complementary analytical techniques for complementary of extra virgin olive oils
Comunicazione Orale a Invito
- 1243** 48th International Symposium on High-Performance Liquid Phase Separations and Related Techniques, Milan, Italy, June 16-20, 2019
Mariosimone Zoccali, Fabio Salafia, Daniele Giuffrida, Luigi Mondello
Carbon dioxide-based extraction and separation techniques for the analysis of carotenoids and their derivatives
Comunicazione Orale a Invito

- 1244** 48th International Symposium on High-Performance Liquid Phase Separations and Related Techniques, Milan, Italy, June 16-20, 2019
Fabio Salafia, Mariosimone Zoccali, Daniele Giuffrida, Paola Dugo, Luigi Mondello
 Carotenoids and apocarotenoids determination in Capsicum species by supercritical fluid extraction-supercritical fluid chromatography-triple quadrupole/mass spectrometry
 Comunicazione Orale
- 1245** 48th International Symposium on High-Performance Liquid Phase Separations and Related Techniques, Milan, Italy, June 16-20, 2019
Adriana Arigò, Francesca Rigano, Paola Dugo, L. Mondell
 Linear Retention Index System in Liquid Chromatography as New Tool to Determine Oxygen Heterocyclic Compounds in Cosmetics and Food
 Comunicazione Orale
- 1246** 48th International Symposium on High-Performance Liquid Phase Separations and Related Techniques, Milan, Italy, June 16-20, 2019
Tania M. G. Salerno, Paola Donato, Luigi Mondello
 Solute-deposition LC-FTIR of furocumarin isomers
 Comunicazione Orale
- 1247** 48th International Symposium on High-Performance Liquid Phase Separations and Related Techniques, Milan, Italy, June 16-20, 2019
Domenica Mangraviti, Katia Arena, Francesco Cacciola Mariosimone Zoccali, Francesca Rigano, Paola Dugo, Luigi Mondello
 Determination of the polyphenolic fraction of *Pistacia vera* L. kernel extracts by comprehensive two-dimensional liquid chromatography coupled to mass spectrometry detection
 Comunicazione Poster
- 1248** 48th International Symposium on High-Performance Liquid Phase Separations and Related Techniques, Milan, Italy, June 16-20, 2019
Katia Arena, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Comprehensive two-dimensional liquid chromatography coupled to mass spectrometry for the determination of the polyphenolic profile in three cultivars of *Brassica juncea*
 Comunicazione Poster
- 1249** 48th International Symposium on High-Performance Liquid Phase Separations and Related Techniques, Milan, Italy, June 16-20, 2019
Paola Arena, Paola Donato, Danilo Donnarumma, Paola Dugo, Luigi Mondello
 LC-MS/MS characterization of the protein fraction in waste products from the tuna fishery industry
 Comunicazione Poster

- 1250** 48th International Symposium on High-Performance Liquid Phase Separations and Related Techniques, Milan, Italy, June 16-20, 2019
Roberta La Tella, Francesca Rigano, Paola Dugo, Luigi Mondello Supercritical fluid chromatography hyphenated to electron ionization mass spectrometry to enhance identification reliability of semi-volatile compounds
 Comunicazione Poster
- 1251** 48th International Symposium on High-Performance Liquid Phase Separations and Related Techniques, Milan, Italy, June 16-20, 2019
Katia Arena, Eliane Lazzari, E. Bastos-Caramao, Paola Dugo, Luigi Mondello, Alejandro Cifuentes, Miguel Herrero
 Comprehensive two-dimensional liquid chromatography coupled to mass spectrometry for quali-quantitative analysis of aqueous phases of bio-oils from different biomasses
 Comunicazione Poster
- 1252** 48th International Symposium on High-Performance Liquid Phase Separations and Related Techniques, Milan, Italy, June 16-20, 2019
 Rocío Gallego, Katia Arena, Francesco Cacciola, Luigi Mondello, Elena Ibáñez, Miguel Herrero
 Characterization of astaxanthin-enriched extracts from *Haematococcus pluvialis* by comprehensive two-dimensional liquid chromatography coupled to mass spectrometry detection
 Comunicazione Poster
- 1253** VII Workshop Nazionale Gruppo Interdivisionale Green Chemistry– Chimica Sostenibile, Società Chimica Italiana, Padova, Italy, 5 luglio 2019
 Susanna Della Posta, Laura De Gara, Luigi Mondello, Chiara Fanali
 A green approach for the extraction of chlorogenic acids from spent coffee ground: deep eutectic solvents
 Comunicazione Orale
- 1254** Isotopes 2019, The Cross-Disciplinary Conference on Stable Isotope Sciences, Raitenhaslach, Germany, July 7-12, 2019
Danilo Sciarrone & Luigi Mondello
 Simultaneous detection by isotope ratio and quadrupole mass spectrometry coupled to multidimensional gas chromatography for the analysis of complex samples
 Comunicazione Orale
- 1255** Isotopes 2019, The Cross-Disciplinary Conference on Stable Isotope Sciences, Raitenhaslach, Germany, July 7-12, 2019
Danilo Sciarrone, Gemma De Grazia & Luigi Mondello
 HS-SPME MDGC-C-IRMS with simultaneous quadrupole MS detection: a powerful approach to discriminate between natural and synthetic truffle aroma
 Comunicazione Poster
- 1256** 31st International Symposium on Chirality, Bordeaux, France, July, 14- 17, 2019
Fabio Salafia, Danilo Sciarrone, Luigi Mondello

- Comparison of monodimensional and multidimensional gas chromatography methods for the separation of volatile chiral compounds in mandarin essential oil
Comunicazione Poster
- 1257** 31st International Symposium on Chirality, Bordeaux, France, July, 14- 17, 2019
Fabio Salafia, Mariosimone Zoccali, Paola Dugo, Luigi Mondello
Effects on enantiomeric resolutions of chiral pesticides through different conditions of supercritical fluid chromatography
Comunicazione Poster
- 1258** 17th Latin American Symposium on Chromatography and Related Techniques, Aracaju, Brazil, July 14-19, 2019
Paola Dugo, Luigi Mondello
Advances and application of LC×LC
Short-Course title: LC×LC/MS – Fundamentals and Applications
Comunicazione Orale a Invito
- 1259** 17th Latin American Symposium on Chromatography and Related Techniques, Aracaju, Brazil, July 14-19, 2019
Peter Tranchida, Luigi Mondello
Principles of comprehensive LC×LC
Short-Course title: LC×LC/MS – Fundamentals and Applications
Comunicazione Orale a Invito
- 1260** 17th Latin American Symposium on Chromatography and Related Techniques, Aracaju, Brazil, July 14-19, 2019
F. Rigano, P. Dugo, L. Mondello
Electron Ionization Mass Spectrometry and Linear Retention Index as novel identification tools in Liquid Chromatography
Comunicazione Orale ad Invito (206)
- 1261** 17th Latin American Symposium on Chromatography and Related Techniques, Aracaju, Brazil, July 14-19, 2019
Paola Dugo, Francesco Cacciola, Katia Arena, Luigi Mondello
Comprehensive Two-dimensional Liquid Chromatography for the Analysis of Natural Matrices
Comunicazione Orale a Invito
- 1262** 17th Latin American Symposium on Chromatography and Related Techniques, Aracaju, Brazil, July 14-19, 2019
Peter Q. Tranchida, Ivan Aloisi, Mariosimone Zoccali, Barbara Giocastro, Tiago Schena, Elina Bastos Caramão, Luigi Mondello
Analysis of coconut-derived bio-oil by using flow- and cryogenic-modulation comprehensive 2D gas chromatography-mass spectrometry
Comunicazione Orale a Invito
- 1263** 57th Annual Meeting of The International Association of Forensic Toxicologists (TIAFT). Birmingham, UK, September 2-6, 2019
Salerno Tania, Donato Paola, Frison Giampietro, Mondello Luigi
Solid-deposition GC-FTIR for Reliable Identification of NPS on Seized Drugs and Human Urine Samples

- 1264** 57th Annual Meeting of The International Association of Forensic Toxicologists (TIAFT). Birmingham, UK, September 2-6, 2019
Characterization of 4-chloroethcathinone (4-CEC) by GC-MS, GC-MS after 2,2,2-trichloroethyl chloroformate derivatization, LC-HRAM OrbitrapTM MS, and Solid Deposition GC-FTIR
Zamengo Luca, Frison Giampietro, Bettin Chiara, Zancanaro Flavio, Trovato Emanuela, Mondello Luigi
Comunicazione Poster
- 1265** 57th Annual Meeting of The International Association of Forensic Toxicologists (TIAFT). Birmingham, UK, September 2-6, 2019
Frison Giampietro, Zamengo Luca, Tedeschi Gianpaola, Trovato Emanuela, Salerno Tania, Mondello Luigi
Differentiation of the isomers isomephedrone and mephedrone by GC-MS after 2,2,2-trichloroethyl chloroformate derivatization, LC-HRAM OrbitrapTM MS, and GC-FTIR
Comunicazione Poster
- 1266** 57th Annual Meeting of The International Association of Forensic Toxicologists (TIAFT). Birmingham, UK, September 2-6, 2019
Salerno Tania, Donato Paola, Frison Giampietro, Mondello Luigi
Solid deposition GC-FTIR and LC-FTIR as highly discriminating techniques for forensic toxicology applications
Comunicazione Poster
- 1267** 26th International Symposium on Electroseparation and Liquid Phase-Separation Techniques (ITP 2019), Toulouse, France, September 1-4, 2019
Katia Arena, Francesco Cacciola, Paola Dugo, Luigi Mondello
Characterization of the polyphenolic profile from different cultivars of Brassica juncea by comprehensive two-dimensional liquid chromatography coupled to mass spectrometry
Comunicazione Orale
- 1268** 26th International Symposium on Electroseparation and Liquid Phase-Separation Techniques (ITP 2019), Toulouse, France, September 1-4, 2019
Adriana Arigò, Francesca Rigano, Paola Dugo, Luigi Mondello
Linear Retention Index in Liquid Chromatography: New Approach for the Quality Control of Furocoumarins in Cosmetics and Food
Comunicazione Orale
- 1269** XX EuroAnalysis, Istanbul, Turkey, September 1-5, 2019
Paola Donato, Paola Arena, Danilo Donnarumma, Paola Dugo, Luigi Mondello
Investigation of the protein content in waste products from processed tuna fish by means of liquid chromatography-mass spectrometry
Comunicazione Orale

- 1270** XX EuroAnalysis, Istanbul,Turkey, September 1-5, 2019
Domenica Mangraviti, Francesca Rigano, Paola Donato, Paola Dugo, Luigi Mondello
 High throughput lipidomics analysis by ultra-high performance liquid chromatography combined with a novel dual-filter mass spectral library for identification purposes
 Comunicazione Orale
- 1271** XX EuroAnalysis, Istanbul,Turkey, September 1-5, 2019
 Phenolic fingerprinting in pistachio nuts of different origins by LC×LC-PDA-MS
 Katia Arena, Paola Donato, Francesco Cacciola, Domenica Mangraviti, Francesca Rigano, Paola Dugo, Luigi Mondello
 Comunicazione Poster
- 1272** XX EuroAnalysis, Istanbul,Turkey, September 1-5, 2019
 Adriana Arigò, Francesca Rigano, Domenica Mangraviti, Paola Dugo, Luigi Mondello
 Characterization of oxygen heterocyclic compounds in cosmetics by applying linear retention indices in liquid chromatography
 Comunicazione Poster
- 1273** 25th International Symposium on Separation Sciences, Lodz, Poland, September 15-18, 2019
Luigi Mondello
 Comprehensive two-dimensional liquid chromatography (LC×LC) for the analysis of bioactive compounds from foodstuffs
 Comunicazione Orale a Invito
- 1274** 25th International Symposium on Separation Sciences, Lodz, Poland, September 15-18, 2019
Peter Q. Tranchida, Ivan Aloisi, Mariosimone Zoccali, Barbara Giocastro, Luigi Mondello
 A side-by-side evaluation of the performances of cryogenic and pneumatic forms of comprehensive 2D GC modulation
 Comunicazione Orale a Invito
- 1275** 4th EuCheMS Conference on Green and Sustainable Chemistry, Tarragona, Spain, September 22-25, 2019
Fabio Salafia, Mariosimone Zoccali, Daniele Giuffrida, Paola Dugo, Luigi Mondello
 Apocarotenoids characterization in human blood samples by using online supercritical fluid extraction-supercritical fluid chromatography-tandem mass spectrometry
 Comunicazione Poster
- 1276** XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
D. Sciarrone, G. De Grazia, L. Mondello
 ADVANCED PREPARATIVE APPROACHES FOR THE COLLECTION AND STRUCTURE ELUCIDATION OF VOLATILE COMPONENTS FROM COMPLEX SAMPLES
 Comunicazione Orale

- 1277** XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
Paola Donato, Danilo Sciarrone, Paola Arena, Paola Dugo, Luigi Mondello
 ADVANCED LC-MS-BASED APPROACHES FOR THE INVESTIGATION OF PEPTIDES AND PROTEINS
 Comunicazione Orale
- 1278** XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
M. Zoccali, P.Q. Tranchida, L. Mondello
 ON-LINE COUPLED LIQUID CHROMATOGRAPHY– COMPREHENSIVE TWO DIMENSIONAL GAS CHROMATOGRAPHY WITH DUAL DETECTION FOR THE ANALYSIS OF MINERAL OIL IN COSMETICS
 Comunicazione Orale
- 1279** XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
F. Rigano, D. Mangraviti, P. Dugo, L. Mondello
 REIMS, A NOVEL AMBIENT MASS SPECTROMETRY METHOD FOR THE REAL-TIME IDENTIFICATION OF FOOD SAMPLES
 Comunicazione Orale
- 1280** XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
Tania M. G. Salerno, Donato Paola, Mondello Luigi
 POTENTIAL OF ON-LINE LC-FTIR HYPHENATED TECNQUE AS A RELIABLE TOOL FOR IDENTIFICATION
 Comunicazione Orale
- 1281** XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
K. Arena, F. Cacciola, P. Dugo, L. Mondello
 DETERMINATION OF THE PHENOLIC PROFILE IN BRASSICA JUNCEA OF DIFFERENT SPECIES BY COMPREHENSIVE TWO-DIMENSIONAL LIQUID CHROMATOGRAPHY COUPLED TO MASS SPECTROMETRY
 Comunicazione Orale
- 1282** XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
Paola Arena, Paola Donato, Danilo Donnarumma, Paola Dugo, Luigi Mondello
 RETRIEVAL AND CHARACTERISATION OF BIOACTIVE PEPTIDES FROM TUNA PROCESSING WASTE BY MEANS OF UHPLC-MS
 Comunicazione Orale
- 1283** XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
Gemma De Grazia, Danilo Sciarrone, Luigi Mondello

PREPARATIVE MULTIDIMENSIONAL GAS CHROMATOGRAPHY
COUPLED TO SPECTROSCOPIC ANALYSIS AS A POWERFUL
APPROACH FOR THE ISOLATION AND CHARACTERIZATION OF
UNKNOWN MOLECULES

Comunicazione Orale

- 1284** XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019

R. La Tella, F. Rigano, P. Dugo, L. Mondello

RAPID AND RELIABLE IDENTIFICATION OF SEMI-VOLATILE
COMPOUNDS BY SUPERCRITICAL FLUID CHROMATOGRAPHY
COUPLED TO ELECTRON IONIZATION MASS SPECTROMETRY
DETECTION

Comunicazione Poster

- 1285** XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019

F. Rigano, D. Mangraviti, P. Dugo, L. Mondello

AUTOMATED SAMPLE PREPARATION WORKSTATIONS COUPLED
ONLINE TO LIQUID CHROMATOGRAPHY – TANDEM MASS
SPECTROMETRY FOR A COMPREHENSIVE ELUCIDATION OF LIPID
PROFILE

Comunicazione Poster

- 1286** XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019

A. Arigò, F. Rigano, P. Dugo, L. Mondello, A. Arigò, F. Rigano, P. Dugo, L. Mondello

LINEAR RETENTION INDEX SYSTEM APPLIED TO LIQUID
CHROMATOGRAPHY AS NEW APPROACH FOR THE QUALITY
CONTROL OF OXYGEN HETEROCYCLIC COMPOUNDS IN ESSENCES,
COSMETICS AND FOOD

Comunicazione Poster

- 1287** XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019

L. La Tella, F. Rigano, D. Mangraviti, P. Dugo, L. Mondello

USE OF AN INTELLIGENT SAMPLING DEVICE (I KNIFE), COUPLED TO
RAPID EVAPORATIVE IONIZATION MASS SPECTROMETRY
TECHNOLOGY, FOR AUTHENTICITY ASSESSMENT IN PISTACHIO
SAMPLES

Comunicazione Poster

- 1288** XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019

B. Giocastro, M. Zoccali, P. Q. Tranchida, L. Mondello

USE OF A NOVEL CONSUMABLE-FREE THERMAL MODULATOR
WITHIN THE CONTEXT OF COMPREHENSIVE TWO-DIMENSIONAL
GAS CHROMATOGRAPHY: GAS FLOW OPTIMIZATION ASPECTS

Comunicazione Poster

- 1289** 6th MS Food Day, Camerino, Italy, September 25-27, 2019
Francesco Cacciola, Katia Arena, Francesca Rigano, Paola Dugo, Luigi Mondello
 Determination of the polyphenolic fraction of food real-world samples by comprehensive two-dimensional liquid chromatography coupled to photodiode array and mass spectrometry detection
 Comunicazione Orale
- 1290** 17th Euro Fed Lipid Congress And Expo, Seville, Spain, October 20-23, 2019
Domenica Mangraviti, Francesca Rigano, Paola Dugo, Luigi Mondello
 High throughput lipidomics analysis by high resolution chromatographic techniques combined to mass spectrometry and coupled online to automated sample preparation workstations
 Comunicazione Orale
- 1291** 17th Euro Fed Lipid Congress And Expo, Seville, Spain, October 20-23, 2019
Giusepppe Micalizzi, Emanuela Ragosta, Paola Dugo, Luigi Mondello
 Determination of fatty acid profile in blood collected on DBS sampling support by using a totally automatic GC method
 Comunicazione Poster
- 1292** Shimadzu & Merck Workshop Analisi degli Alimenti, Bologna, October 22, 2019
Paola Dugo, Luigi Mondello
 Carotenoids and apocarotenoids determination in Capsicum species by supercritical fluid extraction-suprcritical fluid chromatography-triple quadrupole/mass spectrometry
 Comunicazione Orale a Invito
- 1293** Shimadzu & Merck Workshop Analisi degli Alimenti, Bologna, October 22, 2019
Paola Dugo, Luigi Mondello
 Determinaton of the polyphenolic fraction of *Pistacia vera* L. Kernel extracts by comprehensive two-dimensional liquid chromatography coupled to mass spectrometry detection
 Comunicazione Orale a Invito
- 1294** 9th International Symposium on Recent Advances in Food Analysis (RAFA 2019), Prague, Czech Republic, November 5-8, 2019
Danilo Donnarumma, Francesca Rigano, Roberta La Tella, Davide Di Marco, Federica Vento, Luigi Mondello
 Identification of high added value molecules from the wastes of tuna fishery industry through MS based analytical methods
 Comunicazione Orale
- 1295** 9th International Symposium on Recent Advances in Food Analysis (RAFA 2019), Prague, Czech Republic, November 5-8, 2019
Adriana Arigò, Francesca Rigano, Paola Dugo, Luigi Mondello
 Reliable Characterization of Furocoumarins in Beverages and Foods through Liquid Chromatography coupled to Triple Quadrupole Mass Spectrometry in combination with the LRI system
 Comunicazione Poster

- 1295bis** XXIII AINO, Congresso Nazionale e Corso Residenziale Associazione Italiana di Neuro-chirurgia, November 10-12th, 2019
M. Caffo, F. F. Angileri, L. Mondello, D. Mangraviti, F. Rigano, G. Raffa, G. Caruso, S. M. Cardali, F. Esposito, A. Germanò (Messina)
 Ruolo della tecnica REIMS (spettrometria di massa a rapida ionizzazione evaporativa) nell'identificazione in real time del tessuto tumorale cerebrale
 Comunicazione Oral
- 1296** 6th World Congress on Medicinal and Aromatic Plants for Human and Animal Welfare (WOCMAP VI), Famagusta, Cyprus November 13-17, 2019
Horváth Gy, Simonics D, Balázs V L, Micalizzi G, Mondello L, Kocsis B
 Screening of the anti-Haemophilus activity of different lavender oils using TLC
 Comunicazione Poster
- 1297** Incontri di Scienza delle Separazioni, Napoli, Italy, 28-29 Novembre 2019
Tania Salerno, Paola Donato, Gianpietro Frison, Luigi Mondello
 Identification of New Psychoactive Substances in Seized Materials by Means of GC-FTIR Technique
 Comunicazione Orale
- 1298** Incontri di Scienza delle Separazioni, Napoli, Italy, 28-29 Novembre 2019
Katia Arena, Eliane Lazzari, Elina B. Caramão, Francesco Cacciola, Paola Dugo, Luigi Mondello, Miguel Herrero
 Analysis of Aqueous Phases of Bio-oils Resulting From Pyrolysis of Different Biomasses by Two-Dimensional Comprehensive Liquid Chromatography Coupled to Mass Spectrometry
 Comunicazione Orale
- 1299** Incontri di Scienza delle Separazioni, Napoli, Italy, 28-29 Novembre 2019
Paola Arena, Paola Donato, Paola Dugo, Luigi Mondello
 Hyphenated Analytical Techniques for Food Protein Analysis
 Comunicazione Orale
- 1300** Incontri di Scienza delle Separazioni, Napoli, Italy, 28-29 Novembre 2019
Gemma De Grazia, Danilo Sciarrone, Luigi Mondello
 Exploiting A Preparative Three Dimensional Gas Chromatographic System In Synergy With Spectroscopic Analysis To Isolate and Characterize Unidentified Impurities From A Commercial Standard.
 Comunicazione Orale
- 1301** Incontri di Scienza delle Separazioni, Napoli, Italy, 28-29 Novembre 2019
Paola Arena, Paola Donato, Paola Dugo, Luigi Mondello
 In Depth Investigation of Fish Protein Hydrolysates from Tuna by products by means of Liquid Chromatography-Mass Spectrometry
 Comunicazione Poster
- 1302** Incontri di Scienza delle Separazioni, Napoli, Italy, 28-29 Novembre 2019
Katia Arena, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Determination of the Metabolite Content of *Brassica juncea* Cultivars by Comprehensive Two-Dimensional Liquid Chromatography coupled to Photodiode Array and Mass Spectrometry Detection

Comunicazione Poster

- 1303** Incontri di Scienza delle Separazioni, Napoli, Italy, 28-29 Novembre 2019
Tania Salerno, Paola Donato, Luigi Mondello
Direct Linkage of LC and Solid Phase IR Spectroscopy: Filling the Gap in Identification of Unknowns
Comunicazione Poster
- 1304** 49th International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC 2019) Kyoto, Japan, December 1-5, 2019
Paola Donato, Francesca Rigano, Paola Dugo, Luigi Mondello
Demonstration of a Linear Retention Index system as an additional filter for reliable identification in HPLC-MS
Comunicazione Orale
- 1305** 11° Encontro Nacional de Cromatografia (11ENC), Caparica, Portugal, December 9-11, 2019
Paola Dugo, Francesco Cacciola, Katia Arena and Luigi Mondello
Smart” Gradients for Enhancing Peak Capacity in Comprehensive Two-dimensional Liquid Chromatography under Reversed-phase Conditions: Application to Polyphenols in Food and Natural Real-world Samples
Comunicazione Orale a Invito
- 1306** 11th Multidimensional Chromatography Workshop, Honolulu, Hawaii, January 5-7, 2020
Luigi Mondello
CO₂-based chromatography × reversed-phase liquid chromatography with quadrupole time-of-flight and IMS detection: A proof of concept
Comunicazione Orale a Invito
- 1307** 16th International Symposium on Hyphenated Techniques in Chromatography and Separation technology (HTC-16), Gent, Belgium, January 29-31, 2020
Paola Dugo, Francesco Cacciola, Katia Arena, Luigi Mondello
Exploiting Comprehensive Two-Dimensional Liquid Chromatography (LC×LC) for the Determination of Bioactive Compounds in Natural Products
Comunicazione Orale a Invito
- 1308** 16th International Symposium on Hyphenated Techniques in Chromatography and Separation technology (HTC-16), Gent, Belgium, January 29-31, 2020
Paola Dugo, Francesco Cacciola, Katia Arena, Luigi Mondello
Carotenoids and Apocarotenoids Determination by SFE/SFC Triple Quadrupole Mass Spectrometry
Comunicazione Orale a Invito

- 1309** 3rd Edition of Euro-Global Conference on Food Science and Technology (FAT 2020), July 13-14, 2020
Francesco Cacciola, Katia Arena, Paola Dugo, Luigi Mondello
 Comprehensive Two-dimensional Liquid Chromatography under Reversed-phase Conditions for Polyphenol analysis in Complex Food and Food-related Products
 Comunicazione Orale a Invito
- 1310** 16th Annual Workshop on Emerging High-Resolution Mass Spectrometry and LC-MS/MS Applications in Environmental Analysis and Food Safety, Online, October 15-16, 2020
P.Q. Tranchida, I. Aloisi, M. Zoccali, P. Dugo, L. Mondello
 Analytical potential of comprehensive two-dimensional gas chromatography-high resolution time-of-flight mass spectrometry within the context of environmental and food analysis
 Comunicazione Orale
- 1311** 16th Annual Workshop on Emerging High-Resolution Mass Spectrometry and LC-MS/MS Applications in Environmental Analysis and Food Safety, Online, October 15-16, 2020
I. Aloisi, M. Zoccali, P. Dugo, P.Q. Tranchida, L. Mondello
 Cryogenically-modulated comprehensive two-dimensional gas chromatography-high resolution time-of-flight mass spectrometry: fingerprint of the unsaponifiable fraction of vegetable oils
 Comunicazione Poster
- 1312** 16th Annual Workshop on Emerging High-Resolution Mass Spectrometry and LC-MS/MS Applications in Environmental Analysis and Food Safety, Online, October 15-16, 2020
I. Aloisi, M. Zoccali, P.Q. Tranchida, L. Mondello
 Investigation of organic sulphur compounds in coal tar by using comprehensive two-dimensional gas chromatography-high resolution time-of-flight mass spectrometry
 Presentazione Poster
- 1313** 2021 On-line Forensic Symposium- Current Trends in Seized Drug Analysis, January 18th-22nd, 2021
Paola Donato, Tania Salerno, Carmelo Coppolino, Giampietro Frison, Luigi Mondello
 Solid-Phase GC-FTIR for the Analysis of Illicit Drug Isomers
 Comunicazione Orale a Invito
- 1314** 2021 On-line Forensic Symposium- Current Trends in Seized Drug Analysis, January 18th-22nd, 2021
Paola Donato, Tania Salerno, Carmelo Coppolino, Giampietro Frison, Luigi Mondello
 Analysis of Synthetic Cannabinoids and Cathinones by Solid-Phase Deposition GC-FTIR
 Presentazione Poster

- 1315** The Chromatography Forum of Delaware Valley, Online, January 20-21, 2021
Paola Dugo, Francesco Cacciola, Katia Arena, Luigi Mondello
Comprehensive Two-Dimensional Liquid Chromatography (LC×LC) for the Determination of Bioactive Compounds in Natural Products
Comunicazione Orale a Invito
- 1316** 12th Multidimensional Chromatography Virtual Workshop, February 1-3, 2021
Tranchida, Peter Q; Aloisi, Ivan; Ferracane, Antonio; Giocastro, B; Zoccali, M.; Mondello Luigi
Considerations on the use of split and splitless flow modulation devices in GC×GC-MS
Comunicazione Orale
- 1317** 12th Multidimensional Chromatography Virtual Workshop, February 1-3, 2021
Zoccali, Mariosimone; Tranchida, Peter Q.; Mondello, Luigi
Comunicazione orale
Fulfilling the EU Guidance on Mineral oil analysis using LC-GC based analysis
Comunicazione Orale
- 1318** 2nd Edition of Global Webinar on Food Science and Nutrition (FSN 2021), February 26-27, 2021
Francesco Cacciola, Katia Arena, Paola Dugo, Luigi Mondello
Unravelling Polyphenolic Composition in Complex Food and Natural Products by Comprehensive Two-dimensional Liquid Chromatography
Comunicazione Orale a Invito
- 1319** 2nd Edition of Global Webinar on Food Science and Nutrition (FSN 2021), February 26-27, 2021
Y. Oulad El Majdoub, F. Alibrando, F. Cacciola, K. Arena, E. Pagnotta, P. Dugo, L. Mondello
Evaluation of chemical bioactive compounds in three cultivars of *Brassica juncea* L. by HPLC-PDA/ESI-MS
Comunicazione Orale
- 1320** 1st European Sample Preparation e-Conference, March 11-12, 2021
M. Zoccali, A. Arena P.Q. Tranchida, L. Mondello
Development of a Low-Cost, Lab-Made Y-Interface for LC-GC Coupling for On-line Analysis in a Fully Automatized Way of Mineral Oils in Food Samples
Comunicazione Orale
- 1321** 1st European Sample Preparation e-Conference, March 11-12, 2021
D. Donnarumma, G. Micalizzi, F. Rigano, L. Mondello
Automatization and Miniaturization of Sample Preparation of Food and Biological Samples for Lipidomics Studies
Comunicazione Orale

- 1322** International Webinar on Food Science & Food Chemistry, June 4-5, 2021
Francesco Cacciola, Katia Arena, Paola Dugo, Luigi Mondello
 Exploiting Comprehensive Two-dimensional Liquid Chromatography for the Determination of the Polyphenolic Content of Complex Food and Natural Products
 Comunicazione Orale a Invito
- 1323** 18th GC×GC International Symposium, June 7-11, 2021
 Tania M.G. Salerno, Carmelo Coppolino, Mariosimone Zoccali, Luigi Mondello
 GC×GC-sd-FTIR/MS for Reliable Identification in the Foodomics Field
 Comunicazione Orale a Invito
- 1324** 18th GC×GC International Symposium, June 7-11, 2021
Peter Q. Tranchida, Ivan Aloisi, Antonio Ferracane, Mariosimone Zoccali, Luigi Mondello
 Options of 1D GC, Flow-Modulation Signal-Enhanced 1D GC and Flow-Modulation GC×GC in a Single Instrument: a Proof-of-Concept
 Comunicazione Orale a Invito
- 1325** 18th GC×GC International Symposium, June 7-11, 2021
Mariosimone Zoccali, Micaela Galletta, Paige E. Sudol, Peter Q. Tranchida, Luigi Mondello, Robert E. Synovec
 Untargeted Profiling and Differentiation of Geographical Variants of Wine Samples Using
 Headspace SPME-GC×GC-ToFMS Coupled with Tile-based Fisher Ratio Analysis
 Comunicazione Orale
- 1326** 18th GC×GC International Symposium, June 7-11, 2021
Benedikt A. Weggler, Lena M. Dubois, Nadine Gawlitta, Thomas Gröger, John Moncur, Steven Reichenbach, Peter Tranchida, Zhijun Zhao, Mariosimone Zoccali, Jean-François Focant
 Comunicazione Orale
- 1327** 18th GC×GC International Symposium, June 7-11, 2021
Ivan Aloisi, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 Use of Comprehensive Two-Dimensional Gas Chromatography-High Resolution Time-of-Flight Mass Spectrometry for the Investigation of Organic Sulphur Compounds in Coal Tar
 Comunicazione Orale
- 1328** 18th GC×GC International Symposium, June 7-11, 2021
Barbara Giocastro, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 Evaluation of Different Internal Diameter Modulation Columns within the Context of Solid-State Modulation
 Comunicazione Orale

- 1329** The First International Congress on Pure and Applied Sciences, Meknes, Morocco, June 23-25, 2021
Imane Haoujar, Mohammed Haoujar, Adil Essafi, Hicham Chairi, Luigi Mondello, Francesco Cacciola
 Production of lipids in cultivated microalgae isolated from Mediterranean Seawater
 Comunicazione Orale
- 1330** ExTech21, Alicante online event, 30th June-2nd July 2021
Mariosimone Zoccali, Marina Russo, Mariarita Testa Camillo, Luigi Mondello
 On-line SFE-Enantioselective-SFC-QQQ MS for the determination of chiral pesticides in hemp seeds: a proof-of-principle study
 Comunicazione orale
- 1331** Site Management Analytics Seminar, Merck Life Science on-line, August 23th 2021
 Luigi Mondello
 The role of a Spin-off Company in Analytical Chemistry. A fruitful collaboration with Merck Company
 Comunicazione Orale a Invito
- 1332** Site Management Analytics Seminar, Merck Life Science on-line, August 23th 2021
 Fulfilling the EU Guidance on Mineral oil analysis using LC-GC based analysis
Mariosimone Zoccali, Luigi Mondello
 Comunicazione Orale
- 1333** Site Management Analytics Seminar, Merck Life Science on-line, August 23th 2021
Tania Salerno, Luigi Mondello
 Gas Chromatography coupled to solid deposition Fourier Transform Infrared Spectroscopy: a useful identification tool in routine forensic casework
 Comunicazione Orale
- 1334** Molecules 2021 Webinar Advances in Food Chemistry September 6th 2021
Francesco Cacciola, Aziz Bouymajane, Yassine Oulad El Majdoub, Marina Russo, Paola Dugo, Luigi Mondello
 Characterization of Phenolic Compounds, Vitamin E and Fatty Acids from Monovarietal Virgin Olive Oils of “Picholine marocaine” Cultivar
 Comunicazione Orale a Invito
- 1335** 116° Congresso della Società Botanica Italiana VII INTERNATIONAL PLANT SCIENCE CONFERENCE (IPSC) Online, September 8-10 2021
Emilia Cavò, Natalizia Miceli, Federica Davì, Vivienne Spadaro, Francesco M. Raimondo, Salvatore Ragusa, Francesco Cacciola, Yassine Oulad El Majdoub, Luigi Mondello, Maria Fernanda Taviano
 Phenolic constituents, antioxidant activity and toxicity assessment of the aerial part extracts from the infraspecific taxa of *Matthiola fruticulosa* (Brassicaceae) endemic to Sicily
 Comunicazione Orale

- 1336** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Luigi Mondello
 Recent Developments in Mass spectrometry and Cutting Edge Scientific Innovation to Characterize Complex Samples
 Comunicazione Orale a Invito
- 1337** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Peter Q. Tranchida, Ivan Aloisi, Antonio Ferracane, Mariosimone Zoccali, Luigi Mondello
 Options of 1D GC, flow-modulation signal-enhanced 1D GC and flow-modulation comprehensive 2D GC in a single instrument: a proof-of-concept study
 Comunicazione Orale
- 1338** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Paola Donato, Marianna Oteri, Paola Arena, Luigi Mondello
 Triacylglycerol Fingerprinting in Vegetable Oils by means of Subcritical Solvent Chromatography
 Comunicazione Orale
- 1339** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Daniilo Sciarrone, Lorenzo Cucinotta, Gemma de Grazia, Luigi Mondello
 Reliability of monodimensional vs multidimensional GC-C-IRMS data: a critical evaluation
 Comunicazione Orale
- 1340** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 Is There a Real Need for Multidimensional Chromatography Strategies with the Current Availability of Powerful Mass Spectrometry Platforms?
 Comunicazione Orale a Invito
- 1341** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Katia Arena, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Characterization of bioactive compounds from natural products using focusing-modulated comprehensive two-dimensional liquid chromatography coupled to mass spectrometry
 Comunicazione Orale
- 1342** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Adriana Arigò, Francesca Rigano, Paola Dugo, Luigi Mondello
 Analytical methods in clinical lipidomics: HPLC and SFC comparison for the analysis of lipid mediators in clinical samples
 Comunicazione Orale

- 1343** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Alessia Arena, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
Mineral oil investigation in omega-3 rich lipid supplements by using multidimensional liquid-gas chromatography
Comunicazione Orale
- 1344** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Paola Arena, Francesca Rigano, Domenica Mangraviti, Danilo Donnarumma, Paola Dugo, Paola Donato, Luigi Mondello, Giuseppe Micalizzi
A Holistic Approach to the Characterization of High-Value Generating Molecules from the Wastes of Tuna Fishery Industry
Comunicazione Orale
- 1345** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Lorenzo Cucinotta, Gemma de Grazia, Danilo Sciarrone Luigi Mondello
Simultaneous Enantiomeric and Isotopic Ratio evaluation of target terpenes in *Cannabis sativa* essential oils through Enantio-MDGC-C-IRMS
Comunicazione Orale
- 1346** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Gemma De Grazia, Lorenzo Cucinotta, Danilo Sciarrone, Paola Dugo, Luigi Mondello
Evaluation of cryogenic effect for target VOCs isolation by a preparative multidimensional gas chromatographic system
Comunicazione Orale
- 1347** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Danilo Donnarumma, Roberta La Tella, Federica Vento, Francesca Rigano, Luigi Mondello
Identification and quantification of toxic compounds and essential molecules in the context of tuna fishery industry waste valorization
Comunicazione Orale
- 1348** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
A. Ferracane, M. Zoccali, P.Q. Tranchida, L. Mondello
Simultaneous determination of 88 multi-class pesticide residues in four vegetable matrices using reduced QuEChERS extraction and flow-modulated comprehensive two-dimensional gas chromatography-triple quadrupole mass spectrometry
Comunicazione Orale

- 1349** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Micaela Galletta, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 Evaluation of use of hydrogen as carrier gas in flow-modulation comprehensive two-dimensional gas chromatography-time-of-flight mass spectrometry
 Comunicazione Orale
- 1350** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Roberta La Tella, Francesca Rigano, Luigi Mondello
 Evaluation of carbon-clad zirconia columns as stationary phases for superheated water liquid chromatography
 Comunicazione Orale
- 1351** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Domenica Mangraviti, Francesca Rigano, Paola Dugo, Luigi Mondello
 Differentiation and profiling of Morocco species belonging to Lamiaceae Family by Ambient Mass Spectrometry methods
 Comunicazione Orale
- 1352** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Giuseppe Micalizzi, Filippo Alibrando, Federica Vento, Paola Dugo, Luigi Mondello
 Microwave distillation technique for the isolation of *Cannabis Sativa* L. essential oils and GC-MS/FID analysis for terpenes and terpenoids characterization
 Comunicazione Orale
- 1353** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Tania M. G. Salerno, Carmelo Coppolino, Mariosimone Zoccali, Paola Donato, Luigi Mondello
 The Coupling of Gas Chromatography - Mass Spectrometry with Infrared Spectroscopy for Reliable Identification of Unknowns in Complex Samples
 Comunicazione Orale
- 1354** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Emanuela Trovato, Adriana Arigò, Federica Vento, Paola Dugo, Luigi Mondello
 Characterization of volatile and non volatile compounds in citrus beer to evaluate product quality for food frauds prevention
 Comunicazione Orale
- 1355** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
 Paola Arena, Danilo Sciarrone, Paola Dugo, Paola Donato, Luigi Mondello
 The Coupling of Silver Thiolate×Non-aqueous Reversed Phase Retention Mechanisms for the Elucidation of Triacylglycerol Profile in Borage Seed Oil Samples

Comunicazione Poster

- 1356** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Paola Arena, Francesca Rigano, Paola Dugo, Luigi Mondello Characterization of Triacylglycerols in Hemp Derived Products by means of Ultra-High Performance Liquid Chromatography Coupled to Mass Spectrometry Detection
Comunicazione Poster
- 1357** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Carmelo Coppolino, Tania Salerno, Paola Donato, Luigi Mondello HPLC-FTIR: a proof of concept
Comunicazione Poster
- 1358** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Carmelo Coppolino, Tania Salerno, Paola Donato, Giampietro Frison, Luca Zamengo, Luigi Mondello
Chiral analysis of Methorphan's enantiomers by HPLC coupled with FTIR
Comunicazione Poster
- 1359** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Roberta La Tella, Francesca Rigano, Luigi Mondello
Qualitative screening of non-psychoactive cannabinoids in *Cannabis Sativa* L. inflorescence by linear retention index approach using hand-portable liquid chromatography
Comunicazione Poster
- 1360** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Yassine Oulad El Majdoub, Francesco Cacciola, Giuseppina Mandalari, Paola Dugo, Luigi Mondello
High performance liquid chromatography coupled to mass spectrometry for the analysis of H. sabdariffa bioactive compounds in simulated human digestion model
Comunicazione Poster
- 1361** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Paola Donato, Paola Arena, Luigi Mondello
Optimization of the Analytical Conditions for Reversed Phase Separation of Egg White Intact Proteins
Comunicazione Poster
- 1362** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Domenica Mangraviti, Francesca Rigano, Adriana Arigó, Paola Dugo, Luigi Mondello

Preservation and Valorization of Italian Extra Virgin Olive Oils by Rapid
Evaporative Ionization Mass Spectrometry
Comunicazione Poster

- 1363** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
M.R. Testa Camillo, M. Russo, A. Arigò, P. Dugo, L. Mondello
Determination of coumarins, furocoumarins and polymethoxyflavones in cold-pressed *Citrus* essential oils using SFC-QqQ-MS
Comunicazione Poster
- 1364** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Federica Vento, Danilo Donnarumma, Emanuela Trovato, Giuseppe Micalizzi, Luigi Mondello
Development and validation of a fast GC method for the quantification of free amino acids in biological samples
Comunicazione Poster
- 1365** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA- SCI 2021, on-line, 4-23 Settembre 2021
A. Ferracane, M. Galletta, G. Micalizzi, M. Zoccali, P.Q. Tranchida, L. Mondello
Development of a reduced-scale fully-automated method to determine the fatty acid content in human blood by using a robotic station coupled with fast GC-MS
Comunicazione Poster
- 1366** XXVII CONGRESSO NAZIONALE DELLA SOCIETÀ CHIMICA ITALIANA-SCI 2021, on-line, 14-23 Settembre 2021
Anna Irto, Giuseppe Micalizzi, Clemente Bretti, Mariano Morganti, Marta Venuti, Lorenzo Campagna, Concetta De Stefano, Luigi Mondello, Paola Cardiano
Analysis on organic residues from Hellenistic and Roman pottery in ancient Taormina: the contexts from the domus in Villa San Pancrazio
Comunicazione Poster
- 1367** 14th World Congress on Polyphenols Applications: Spain Polyphenols 2021, on-line, September 22-24, 2021
Oulad El Majdoub, Yassine; Mangraviti, Domenica; Rigano, Francesca; Cacciola, Francesco; Dugo, Paola; Mondello, Luigi
HPLC-PDA and Rapid evaporative ionization mass spectrometry (REIMS) approaches for the discrimination of Lamiaceae species through the analysis of polyphenol compounds
Comunicazione Orale

- 1368** 5th EuChemS Conference on Green and Sustainable Chemistry (5th EuGSC), on-line, September 26th-29th 2021
Mariosimone Zoccali, Marina Russo, Mariarita Testa Camillo, Luigi Mondello
 Determination of chiral pesticides in hemp seeds by means of on-line SFE-enantioselective-SFC-QqQ MS: a proof-of-principle study
 Comunicazione Orale
- 1369** Separation Science: The State Of The Art, on-line, October 14th,15th,18th, 2021
Peter Tranchida, Luigi Mondello
 Comprehensive 2D GC Instrumenattion: The State of The Art and Future Prospects
 Comunicazione Orale a Invito
- 1370** Separation Science: The State Of The Art, on-line, October 14th,15th,18th, 2021
 Paige E. Sudol, Micaela Galletta, Peter Q. Tranchida, Mariosimone Zoccali, Luigi Mondello, Robert E. Synovec
 Untargeted Profiling and differentiation of Geographical Variants of Wine Samples Using HS SPME FM GC×GC ToF MS with the Support of Tile-Based Fisher Ratio Analysis
 Comunicazione Orale a Invito
- 1371** XVIII Colacro Congreso Latinoamericano de Cromatografia Y Tecnicas Afines, on-line, October 11-15 2021
Luigi Mondello
 Comprehensive Gas Chromatography for the Analysis of High Complex Samples. An Overview of different approaches.
 Comunicazione Orale a Invito
- 1372** XVIII Colacro Congreso Latinoamericano de Cromatografia Y Tecnicas Afines, on-line, October 11-15 2021
Paola Dugo, Katia Arena, Francesco Cacciola, Luigi Mondello
 Comprehensive two-dimensional liquid chromatography coupled to mass spectrometry for unravelling of complex natural products
 Comunicazione Orale a Invito
- 1373** XIX Convegno Nazionale Associazione Scientifica Gruppo Tossicologi Forensi Italiani (GTFI 2021), Vicenza, Italy, October 28-29, 2021
 Flavio Zancanaro, Samuela Frasson, Tania M. G. Salerno, Paola Donato, Luigi Mondello, Giampietro Frison
 Identificazione di 3 MMC e di 3 MeO PCP e relativi metaboliti in campioni non biologici e biologici in due casi di intossicazione acuta. Ruolo di LC HRAM Orbitrap MS e Solid Deposition GC FTIR
 Comunicazione Orale
- 1374** 2nd Autumn Meeting for Young Chemists in Biomedical Sciences (AMYC-BIOMED 2021), On-line, November 3-5, 2021
Luigi Mondello
 Innovative advanced analytical methods in biomedical sciences
 Comunicazione Orale a Invito

- 1375** 2nd Autumn Meeting for Young Chemists in Biomedical Sciences (AMYC-BIOMED 2021), On-line, November 3-5, 2021
Antonio Ferracane, Giuseppe Micalizzi, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 Investigation of fatty acids content in commercially available ω -3 dietary supplements by using a robotic work-station coupled with fast GC-MS
 Comunicazione Poster
- 1376** 51st International Symposium on Essential Oils (ISEO 2021), On-line, November 12-14, 2021
Luigi Mondello
 Innovative Approaches for Molecular Identification in the Flavor & Fragrances Field
 Comunicazione Orale a Invito
- 1377** 5th International Caparica Christmas Conference on Sample Treatment 2021, Caparica, Portugal, November 15th-18th, 2021
Francesco Cacciola, Katia Arena, Paola Dugo, Luigi Mondello
Pistacia vera L. kernel extracts: determination of the polyphenolic content by comprehensive two-dimensional liquid chromatography coupled to mass spectrometry detection
 Comunicazione Orale a Invito
- 1378** International Chemical Congress of Pacific Basin Societies (Pacifichem 2021), on-line, December 16-21, 2021
Luigi Mondello
 High duty cycle and (low-)flow modulated comprehensive 2D GC combined with quadrupole mass spectrometry: principles and applications
 Comunicazione Orale a Invito
- 1379** International Chemical Congress of Pacific Basin Societies (Pacifichem 2021), on-line, December 16-21, 2021
Paola Dugo, Francesco Cacciola, Katia Arena, Luigi Mondello
 Exploiting microLC $\times$ LC in the characterization of vegetable extracts
 Comunicazione Orale a Invito
- 1380** 13th Multidimensional Chromatography Virtual Workshop, January 31-February 2, 2022
 Katia Arena, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Comprehensive Two-Dimensional Liquid Chromatography as a Powerful Tool for Polyphenolic Profiling in Complex Natural Products
 Comunicazione Orale
- 1381** 13th Multidimensional Chromatography Virtual Workshop, January 31-February 2, 2022
Mariosimone Zoccali, Alessia Arena, Peter Q. Tranchida, and Luigi Mondello
 Direct Analysis of Phthalate Esters in Vegetable Oils by Means of Cryogenic-Modulation GC $\times$ GC QqQ MS
 Comunicazione Orale

- 1382** 13th Multidimensional Chromatography Virtual Workshop, January 31-February 2, 2022
Antonio Ferracane, Natalia Manousi, Peter Q. Tranchida, G. A. Zachariadis, Luigi Mondello, Erwin Rosenberg
Solid-phase microextraction Arrow combined with comprehensive two-dimensional gas chromatography for the exploration of the volatile profile of whiskey samples
Comunicazione Poster
- 1383** 13th Multidimensional Chromatography Virtual Workshop, January 31-February 2, 2022
Antonio Ferracane, Mariosimone Zoccali, Peter Q. Tranchida and Luigi Mondello
Untargeted Analysis of Volatile Compounds in Honey by Using Headspace Solid Phase Microextraction Coupled with Flow Modulated Comprehensive Two-Dimensional Gas Chromatography-Mass Spectrometry
Comunicazione Poster
- 1384** 13th Multidimensional Chromatography Virtual Workshop, January 31-February 2, 2022
Katia Arena, Francesco Cacciola, Paola Dugo, Luigi Mondello
Characterization of bioactive compounds from berry juices using focusing-modulated LC×LC coupled to mass spectrometry
Comunicazione Poster
- 1385** 13th Multidimensional Chromatography Virtual Workshop, January 31-February 2, 2022
Alessia Arena, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
Analysis of Mineral Oil Hydrocarbons Contamination in Omega-3 Lipid Supplements by Means of Liquid Chromatography Hyphenated with Gas Chromatography and Flame Ionization Detector
Comunicazione Poster
- 1386** 13th Multidimensional Chromatography Virtual Workshop, January 31-February 2, 2022
Micaela Galletta, Paige E. Sudol, Peter Q. Tranchida, Mariosimone Zoccali, Luigi Mondello and Robert E. Synovec
Chemical Characterization of Wine Samples by Means of Headspace SPME Flow-Modulated GC×GC-ToF MS with the Support of Tile-Based Fisher Ratio Analysis
Comunicazione Poster
- 1387** 2nd Virtual Conference on Virtual Conference on Food Science & Technology, February 23-24, 2022
Francesco Cacciola, Katia Arena, Paola Dugo, Luigi Mondello
Unravelling the Polyphenolic Content of Complex in Food and Natural Products by Comprehensive two-dimensional liquid chromatography
Comunicazione Orale a Invito

- 1388** 2nd Virtual Conference on Virtual Conference on Food Science & Technology, February 23-24, 2022
Yassine Oulad El Majdoub, Francesco Cacciola, Giuseppina Mandalari, Paola Dugo, Luigi Mondello
 High performance liquid chromatography coupled to mass spectrometry for the analysis of *H. sabdariffa* bioactive compounds in simulated human digestion model
 Comunicazione Orale
- 1389** 2nd European Sample Preparation e-Conference (EuSP2022) & 1st Green and Sustainable Analytical Chemistry e-Conference (GSAC2022), on-line, March 14-16 March, 2022
M. Zoccali, A. Arena, P.Q. Tranchida, L. Mondello
 Green and Sustainable Method for the Analysis of Phthalate Esters in Vegetable Oils by Means of GC×GC-QqQ MS
 Comunicazione Orale
- 1390** 2nd European Sample Preparation e-Conference (EuSP2022) & 1st Green and Sustainable Analytical Chemistry e-Conference (GSAC2022), on-line, March 14-16 March, 2022
A. Ferracane, N. Manousi, P.Q. Tranchida, G.A. Zachariadis, L. Mondello, E. Rosenberg
 Exploration of the Volatile Profile of Whiskey Samples Using Solid-phase Microextraction Arrow Combined with Comprehensive Two-dimensional Gas Chromatography
 Comunicazione Orale
- 1391** 2nd European Sample Preparation e-Conference (EuSP2022) & 1st Green and Sustainable Analytical Chemistry e-Conference (GSAC2022), on-line, March 14-16 March, 2022
 Use of an Online LG-GC System for the Investigation of MOH Contamination in Omega-3 Fatty Acid Dietary Supplements
 A. Arena, M. Zoccali, P.Q. Tranchida, L. Mondello
 Comunicazione Orale
- 1392** 2nd European Sample Preparation e-Conference (EuSP2022) & 1st Green and Sustainable Analytical Chemistry e-Conference (GSAC2022), on-line, March 14-16 March, 2022
M. Galletta, M. Zoccali, P.Q. Tranchida, L. Mondello
 Use of Headspace SPME-GC×GC-ToF MS with Hydrogen of Carrier Gas for the Chemical Characterization of Food Volatilomes
 Comunicazione Poster
- 1393** 2nd European Sample Preparation e-Conference (EuSP2022) & 1st Green and Sustainable Analytical Chemistry e-Conference (GSAC2022), on-line, March 14-16 March, 2022
A. Ferracane, N. Manousi, A. Kabir, K.G. Furton, P.Q. Tranchida, G.A. Zachariadis, L. Mondello, V.F. Samanidou, E. Rosenberg
 Extraction and Preconcentration of Organophosphorus Pesticides from Water Samples Using In Situ Synthesized Monolithic Sol-Gel Octadecyl Capsule Phase Microextraction Media

Comunicazione Poster

- 1394** 2nd European Sample Preparation e-Conference (EuSP2022) & 1st Green and Sustainable Analytical Chemistry e-Conference (GSAC2022), on-line, March 14-16 March, 2022
M.R. Testa-Camillo, M. Russo, P. Dugo, L. Mondello
Use of Supercritical Fluids to Online Extract and Analyze Chiral Pesticides in Hemp Seeds
Comunicazione Poster
- 1395** 2nd European Sample Preparation e-Conference (EuSP2022) & 1st Green and Sustainable Analytical Chemistry e-Conference (GSAC2022), on-line, March 14-16 March, 2022
Y. Oulad El Majdoub, M. Russo, I.L. Bonaccorsi, P. Dugo, L. Mondello
Development of an Extraction Process to Obtain Flavonoid-Rich Extract from Bergamot Natural Juice
Comunicazione Poster
- 1396** Le indagini forensi e il contributo della spettrometria di massa, Roma, 25 Marzo 2022
Tania M. G. Salerno, Carmelo Coppolino, Paola Donato, Flavio Zancanaro, Samuela Frasson, Giampietro Frison, Luigi Mondello
The combined use of Solid Deposition GC-FTIR and LC-HRAM-Orbitrap-MS in forensic casework identification routine
Comunicazione Orale
- 1397** 19th International GC×GC Symposium, Virtual, May 29, June 2, 2022
Alessia Arena, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
Determination of various types of contaminants in vegetable oils through minimal sample preparation and cryogenic-modulation GC×GC combined with triple-quadrupole mass spectrometry
Comunicazione Orale a Invito
- 1398** 19th International GC×GC Symposium, Virtual, May 29, June 2, 2022
Mariosimone Zoccali, Alessia Arena, Antonio Ferracane, Micaela Galletta, Peter Q. Tranchida, Luigi Mondello
From two- to five-dimensions: an adventure within the context of comprehensive two-dimensional gas chromatography
Comunicazione Orale a Invito
- 1399** 19th International GC×GC Symposium, Virtual, May 29, June 2, 2022
Micaela Galletta, Luigi Mondello, Mariosimone Zoccali, Peter Q. Tranchida
A Sustainable Method For The Characterization Of The Volatile Fraction Of *Capsicum* Peppers By HS SPME-GC×GC-ToF MS Using Hydrogen As Carrier Gas
Comunicazione Poster

- 1400** 19th International GC×GC Symposium, Virtual, May 29, June 2, 2022
Alessia Arena, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 Use of comprehensive two-dimensional gas chromatography for the direct analysis of phthalate esters in vegetable oils
 Comunicazione Poster
- 1401** 19th International GC×GC Symposium, Virtual, May 29, June 2, 2022
A. Ferracane, N. Manousi, P. Q. Tranchida, G. A. Zachariadis, E. Rosenberg, L. Mondello
 Solid-phase Microextraction Arrow and Comprehensive Two-dimensional Gas Chromatography-Mass Spectrometry for the Profiling of Honey Volatiles
 Comunicazione Poster
- 1402** Massa 2022, Carlentini, Italy, June 20-22, 2022
P. Dugo, F. Rigano, D. Donnarumma, L. Mondello
 Lipidomic analysis in food: The role of a detailed elucidation of intact lipids in functional foods for investigating on nutritional aspects
 Comunicazione Orale a Invito
- 1403** Massa 2022, Carlentini, Italy, June 20-22, 2022
Francesco Cacciola, Katia Arena, Paola Dugo, Luigi Mondello
 Comprehensive two-dimensional liquid chromatography coupled to mass spectrometry detection for characterization of bioactive compounds in food and natural products
 Comunicazione Orale
- 1404** 4th MS Wine Day, Carlentini, Italy, June 22-24, 2022
Luigi Mondello, Emanuela Trovato, Adriana Arigò, Paola Dugo
 Employing of linear retention indices to characterize volatile and non volatile compounds in citrus beer. A deep investigation to evaluate product quality for food frauds prevention
 Comunicazione Orale a Invito
- 1405** 4th MS Wine Day, Carlentini, Italy, June 22-24, 2022
D. Sciarrone, A. Arigò, I. Bonaccorsi, G. De Grazia, L. Cucinotta, P. Dugo, L. Mondello
 Complementary data gathered from different chromatographic approaches for Limoncello liqueur quality control
 Comunicazione Orale
- 1406** 4th MS Wine Day, Carlentini, Italy, June 22-24, 2022
L. Cucinotta, R. Larcher, G. De Grazia, S. Moser, M. Paolini, A. Roncone, L. Bontempo, F. Camin, L. Mondello, D. Sciarrone
 A thorough investigation of Moscato Giallo volatiles in grapes by means of enantio multidimensional gas chromatography coupled to isotopic ratio mass spectrometry
 Comunicazione Orale

- 1407** 4th MS Wine Day, Carlentini, Italy, June 22-24, 2022
Gemma De Grazia, Lorenzo Cucinotta, Danilo Sciarrone, Paola Dugo, Luigi Mondello
 Characterization of commercial grape marc spirits by multidimensional gas chromatography coupled to isotope ratio mass spectrometry
 Comunicazione Poster
- 1408** 50th HPLC 2022, International Symposium on High Performance Liquid Phase Separations and Related Techniques, San Diego, CA, USA, June 18-23, 2022
Mariosimone Zoccali, Marina Russo, Maria Rita Testa Camillo, Luigi Mondello
 On-line SFE-enantioSFC-QqQ MS for the determination of chiral pesticides in hemp seeds
 Comunicazione Orale
- 1409** 50th HPLC 2022, International Symposium on High Performance Liquid Phase Separations and Related Techniques, San Diego, CA, USA, June 18-23, 2022
Katia Arena, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Focusing-modulated comprehensive two-dimensional liquid chromatography-based quali-quantitative screening of bioactive compounds from natural products
 Comunicazione Orale
- 1410** 50th HPLC 2022, International Symposium on High Performance Liquid Phase Separations and Related Techniques, San Diego, CA, USA, June 18-23, 2022
M.R. Testa Camillo, M. Russo, M. Zoccali, P. Dugo, L. Mondello
 Determination of oxygen heterocyclic compounds in cold-pressed Citrus essential oils and perfumes using supercritical fluid chromatography coupled to tandem mass spectrometry method
 Comunicazione Poster
- 1411** XIX Congresso Nazionale della Divisione di Chimica dell'Ambiente e dei Beni Culturali, Torino, Italy, 20-23 giugno 2022
A. Irto, V. Chiaia, G. Micalizzi, D. Donnarumma, C. Bretti, C. De Stefano, P. Cardiano, L. Mondello
 Comprehensive characterization of aged lipids by using chromatographic analytical techniques coupled to mass-spectrometry detection
 Comunicazione Orale
- 1412** 26th International Symposium on Separation Sciences – ISSS 2022, Ljubljana, Slovenia, June 28th - July 1st, 2022
Luigi Mondello
 An Overview for Obtaining High Pure Molecules by Coupling on-line HPLC to Preparative Multidimensional GC
 Comunicazione Orale a Invito
- 1413** 26th International Symposium on Separation Sciences – ISSS 2022, Ljubljana, Slovenia, June 28th - July 1st, 2022
Paola Dugo, Katia Arena, Francesco Cacciola, Luigi Mondello
 MicroLC×LC for the characterization of natural products
 Comunicazione Orale a Invito

- 1414** 26th International Symposium on Separation Sciences – ISSS 2022, Ljubljana, Slovenia, June 28th - July 1st, 2022
A. Ferracane, N. Manousi, N.P. Kalogiouri, P. Q. Tranchida, G.A. Zachariadis, L. Mondello, E. Rosenberg
 Solid-phase Microextraction Arrow combined with Comprehensive Two-dimensional Gas Chromatography-Mass Spectrometry for the Profiling of Honey Volatiles
 Comunicazione Orale
- 1415** 26th International Symposium on Separation Sciences – ISSS 2022, Ljubljana, Slovenia, June 28th - July 1st, 2022
Natasa P. Kalogiouri, Natalia Manousi, Antonio Ferracane, George A. Zachariadis, Stephanos Koundouras, Victoria F. Samanidou, Peter Q. Tranchida, Luigi Mondello, Erwin Rosenberg
 An optimized spme-arrow GCxGC-MS method for the investigation of wine aging and the identification of authenticity markers by chemometrics
 Comunicazione Orale
- 1416** 26th International Symposium on Separation Sciences – ISSS 2022, Ljubljana, Slovenia, June 28th - July 1st, 2022
Antonio Ferracane, Natalia Manousi, Vasileios Alampanos, George Efstratiadis, Abuzar Kabir, Kenneth G. Furton, Peter Q. Tranchida, George A. Zachariadis, Luigi Mondello, Erwin Rosenberg, Victoria F. Samanidou
 A magnet integrated FPSE protocol combined with HPLC-DAD for the determination of benzoyl urea insecticides in water samples
 Comunicazione Poster
- 1417** 26th International Symposium on Separation Sciences – ISSS 2022, Ljubljana, Slovenia, June 28th - July 1st, 2022
M. Galletta, Paige E. Sudol, P. Q. Tranchida, M. Zoccali, L. Mondello, Robert E. Synovec
 Using HS SPME flow-modulated GCxGC-ToFMS with the support of tile-based Fisher ratio analysis to characterize geographical variants of wine samples
 Comunicazione Poster
- 1418** 26th International Symposium on Separation Sciences – ISSS 2022, Ljubljana, Slovenia, June 28th - July 1st, 2022
Alessia Arena, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 Multi-class analysis of vegetable oil contaminants by CM GCxGC QqQ-MS/MS with a minimal sample preparation
 Comunicazione Poster
- 1419** 26th International Symposium on Separation Sciences – ISSS 2022, Ljubljana, Slovenia, June 28th - July 1st, 2022
N. Manousi, A. Ferracane, A. Kabir, K. G. Furton, P. Q. Tranchida, G. Zachariadis, L. Mondello, V. F. Samanidou, E. Rosenberg
 Monolithic capsule phase microextraction combined with GC-MS for the monitoring of organochlorine pesticides in environmental water samples
 Comunicazione Poster

- 1420** 26th International Symposium on Separation Sciences – ISSS 2022, Ljubljana, Slovenia, June 28th - July 1st, 2022
A. Ferracane, N. Manousi, V. Alampanos, G. Efstratiadis, A. Kabir, K. G. Furton, P. Q. Tranchida, G. A. Zachariadis, L. Mondello, E. Rosenberg, V.F. Samanidou
 A magnet integrated FPSE protocol combined with HPLC-DAD for the determination of benzoyl urea insecticides in water samples
 Comunicazione Poster
- 1421** 6th ChemCH Congress, Ravenna, Italy 4-8 July 2022
Valentina Chiaia, Giuseppe Micalizzi, Danilo Donnarumma, Anna Irto, Clemente Bretti, Paola Cardiano, Concetta De Stefano, Peter Q. Tranchida, Luigi Mondello
 Gas and liquid chromatography approaches coupled to mass spectrometry for the evaluation of thermal-oxidation lipid products in ageing studies
 Comunicazione Poster
- 1422** TRC-Forum WS 2020/2021, July 12 2022
Luigi Mondello
 Innovative Advanced Analytical Methods in Biomedical Sciences
 Comunicazione Orale a Invito
- 1423** 52nd International Symposium on Essential Oils (ISEO 2022), Wrocław, Poland September 4-7, 2022
Paola Dugo, Tania M. G. Salerno, Giovanna Cafeo, Luigi Mondello
 Analytical strategies for the characterization of non-volatile fraction of Citrus essential oil: applications in food and cosmetic
 Comunicazione Orale a Invito
- 1424** 52nd International Symposium on Essential Oils (ISEO 2022), Wrocław, Poland September 4-7, 2022
 Fatma Salaheldim, Hussein A. Fakhry, Daniel Strub, Lucyna Balcerzak, Emanuela Trovato, Paola Dugo, Luigi Mondello
 Egyptian Jasmine (*Jasminum grandiflorum* L.) Essential Oil Obtained by Steam Distillation
 Comunicazione Orale
- 1425** 52nd International Symposium on Essential Oils (ISEO 2022), Wrocław, Poland September 4-7, 2022
Fatma Salaheldin, Hussein A. Fakhry, Daniel Strub, Lucyna Balcerzak, Emanuela Trovato, Paola Dugo, and Luigi Mondello
 Comparative Evaluation of Chemical Composition and Antimicrobial Activity of Calendula (*Calendula officinalis* L.) Essential Oil and Absolute from Egypt
 Comunicazione Poster
- 1426** 10th International Symposium on Recent Advances in Food Analysis (RAFA 2022), Prague, Czech Republic, September 6-9, 2022
Antonio Ferracane, Natalia Manousi, Natasa Kalogiouri, Peter Q. Tranchida, George A. Zachariadis, Luigi Mondello, Erwin E. Rosenberg
 Elucidation of the volatile composition of honey samples by comprehensive two-dimensional gas chromatography-mass spectrometry combined with solid-phase microextraction arrow

Comunicazione Poster

- 1427** 10th International Symposium on Recent Advances in Food Analysis (RAFA 2022), Prague, Czech Republic, September 6-9, 2022
Natasa P. Kalogiouri, Natalia Manousi, Antonio Ferracane, George A. Zachariadis, Stephanos Koundouras, Victoria F. Samanidou, Peter Q. Tranchida, Luigi Mondello, Erwin Rosenberg
A volatile fingerprinting strategy for wine aging authentication using SPME-arrow coupled to comprehensive GC×GC-MS combined with advanced chemometrics
Comunicazione Poster
- 1428** 10th International Symposium on Recent Advances in Food Analysis (RAFA 2022), Prague, Czech Republic, September 6-9, 2022
Natalia Manousi, Antonio Ferracane, Abuzar Kabir, Kenneth G. Furton, Peter Q. Tranchida, George Zachariadis, Luigi Mondello, Erwin Rosenberg, Victoria Samanidou
A monolithic capsule phase microextraction protocol combined with high performance liquid chromatography-diode array detection for the monitoring of benzoyl urea insecticides in apple juice samples
Comunicazione Poster
- 1429** 117° Congresso della Società Botanica Italiana, Bologna, Italy, September 7-10, 2022
Maria Fernanda Taviano, Federica Davì, Rosaria Acquaviva, Giuseppe Antonio Malfa, Barbara Tomasello, Paola Arena, Salvatore Ragusa, Francesco Cacciola⁵, Yassine Oulad El Majdoub, Luigi Mondello, Natalizia Miceli
Phenolic profile, antioxidant and cytotoxic activity of the phenolic-rich fraction obtained from the leaves of *Brassica fruticulosa* subsp. *fruticulosa* (Brassicaceae) grown wild in Sicily
Comunicazione Poster
- 1430** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
P.Q. Tranchida, M. Zoccali, M. Galletta, A. Ferracane, A. Arena, L. Mondello
THREE- AND FOUR-DIMENSIONAL GAS CHROMATOGRAPHY-MASS SPECTROMETRY BASED METHODS: WHEN AND WHY TO EXPLOIT
Comunicazione Orale
- 1431** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
P. Donato, T.M.G. Salerno, C. Coppolino, L. Mondello
GC-FTIR AFFORDS RELIABLE FORENSIC EVIDENCE FOR DRUGS OF ABUSE
Comunicazione Orale
- 1432** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
L. Cucinotta, G. De Grazia, D. Sciarrone, L. Mondello

THE COUPLING OF ENANTIO-SELECTIVE GAS CHROMATOGRAPHY TO ISOTOPIC RATIO MASS SPECTROMETRY: PERSPECTIVES AND THE NEED OF MULTIDIMENSIONAL GAS-CHROMATOGRAPHIC APPROACHES

Comunicazione Orale

- 1433** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022

M. Russo, M.R. Testa Camillo, P. Dugo, L. Mondello DETERMINATION OF CHIRAL PESTICIDES IN HEMP SEEDS WITH SUPERCRITICAL FLUID CHROMATOGRAPHY

Comunicazione Orale

- 1434** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022

DETERMINATION OF PESTICIDES IN FOOD SAMPLES THROUGH REDUCED SAMPLE PREPARATION COUPLED TO FLOW- AND CRYOGENIC-MODULATION GC×GC COMBINED WITH TRIPLE-QUADRUPOLE MASS SPECTROMETRY

M. Zoccali, A. Arena, A. Ferracane, P.Q. Tranchida, L. Mondello

Comunicazione Orale

- 1435** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022

F. Rigano, P. Dugo, L. Mondello

DETAILED ELUCIDATION OF INTACT LIPIDS IN FUNCTIONAL FOODS BY EXPLOITING A NOVEL IDENTIFICATION APPROACH BASED ON LINEAR RETENTION INDEX IN LIQUID CHROMATOGRAPHY – MASS SPECTROMETRY

Comunicazione Orale

- 1436** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022

D. Mangraviti, F. Rigano, C. Cafarella, P. Dugo, L. Mondello

ADVANCED AMBIENT MASS SPECTROMETRY METHODS: PRINCIPLES AND APPLICATIONS ON FOOD MATRICES

Comunicazione Orale

- 1437** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022

G. Micalizzi, D. Donnarumma, Chiara Buzzanca, F. Vento, L. Mondello EVALUATION OF VITAMINE D LEVEL IN BIOLOGICAL FLUIDS BY USING GAS CHROMATOGRAPHY TECHNIQUE COUPLED TO TRIPLE QUADRUPOLE MASS SPECTROMETRY

Comunicazione Orale

- 1438** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022

K. Arena, L. Martin-Pozo, Y. Oulad El Majdoud, F. Cacciola, P. Dugo, L. Mondello

- DEVELOPMENT AND VALIDATION OF MULTI-CLASSES OF PESTICIDES IN CORN-BASED FOOD USING COMPREHENSIVE TWO-DIMENSIONAL LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY (LC×LC-MS/MS)
Comunicazione Orale
- 1439** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
T.M G. Salerno, G. Cafeo, P. Dugo, L. Mondello
UNVEILING THE OXYGEN HETEROCYCLIC FRACTION OF CITRUS SCENTED HAND GEL SANITIZERS BY MEANS OF HPLC-MS/MS: FOCUS ON COUMARINS AND FUROCOUMARINS CONTENT AND SKIN RISK TO EXPOSURE
Comunicazione Orale
- 1440** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
E. Trovato, F. Vento, P. Dugo, L. Mondello
QUANTIFICATION OF VOLATILE MARKER COMPOUNDS IN FLAVORED CITRUS PRODUCTS BY USING SPME-GC/MS
Comunicazione Orale
- 1441** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
D. Donnarumma, G. Micalizzi, F. Rigano, L. Mondello
AUTOMATIC AND MINIATURIZED EXTRACTION COUPLED WITH ON LINE UHPLC-MS/MS FOR THE ANALYSIS OF VITAMIN D METABOLITES AND INTACT LIPIDS FROM DRIED BLOOD SPOT
Comunicazione Orale
- 1442** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
R. La Tella, F. Rigano, L. Mondello
DEVELOPMENT OF A PROTOTYPE SYSTEM BASED ON HIGH TEMPERATURE LIQUID CHROMATOGRAPHY FOR THE DETERMINATION OF PARABENS IN COSMETIC AND FOOD SAMPLES
Comunicazione Orale
- 1443** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
V. Chiaia, G. Micalizzi, D. Donnarumma, A. Irto, C. Bretti, P. Cardiano, P. Q. Tranchida, L. Mondello
CHARACTERIZATION OF IN-LAB AGED LIPIDS BY USING GAS AND LIQUID CHROMATOGRAPHY APPROACHES COUPLED TO MASS SPECTROMETRY
Comunicazione Orale

- 1444** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
S.E. Aita, A.L. Capriotti, A. Laganà, L. Mondello TARGETED AND UNTARGETED CHARACTERIZATION OF UNDERIVATIZED POLICOSANOLS IN HEMP INFLORESCENCE BY LIQUID CHROMATOGRAPHY-HIGH RESOLUTION MASS SPECTROMETRY
 Comunicazione Orale
- 1445** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
G. Cafeo, T. M. G. Salerno, P. Dugo and L. Mondello
 EVALUATION OF COUMARINS, FUROCOUMARINS AND POLYMETHOXYFLAVONES CONTENT IN FLAVORED BEVERAGES BY MEANS OF HPLC-MS/MS WITH THE SUPPORT OF LINEAR RETENTION INDEX APPROACH
 Comunicazione Poster
- 1446** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
C. Cafarella, D. Mangraviti, F. Rigano, P. Dugo, L. Mondello
 SOLID PHASE MICROEXTRACTION ONLINE COUPLED TO DIRECT ANALYSIS IN REAL TIME FOR THE DIFFERENTIATION OF HIGH-QUALITY ITALIAN EXTRA VIRGIN OLIVE OILS
 Comunicazione Poster
- 1447** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
Y. Oulad El Majdoub, C. Cafarella, F. Rigano, F. Cacciola, P. Dugo, L. Mondello
 INVESTIGATION OF LIPIDS COMPOSITION IN NOVEL SPECIES OF MICROALGAE BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY COUPLED TO MASS SPECTROMETRY AND LINEAR RETENTION INDEX APPROACHES
 Comunicazione Poster
- 1448** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
P. Arena, F. Rigano, E. Trovato, P. Dugo, L. Mondello
 CANNABIS SATIVA PRODUCTS AS A VALUABLE SOURCE OF NUTRACEUTICALS AND FUNCTIONAL FOOD INGREDIENTS
 Comunicazione Poster
- 1449** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
 Antonio Ferracane, Mariosimone Zoccali, Francesco Cacciola, Tania Maria Grazia Salerno, Peter Q. Tranchida, Luigi Mondello
 DETERMINATION OF MULTI-PESTICIDE RESIDUES IN VEGETABLE PRODUCTS USING A “REDUCED-SCALE” QUECHERS METHOD AND FLOW-MODULATED COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY-TRIPLE QUADRUPOLE MASS SPECTROMETRY

Comunicazione Poster

- 1450** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
Francesca Rigano, Roberta La Tella, Luigi Mondello
EXPLOITING A PORTABLE CAPILLARY LIQUID CHROMATOGRAPHY INSTRUMENT FOR IN-SITU ANALYSIS OF NATURAL CANNABINOIDS
Comunicazione Poster
- 1451** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
F. Rigano, K. Arena, F. Cacciola, L. Mondello
DEVELOPMENT OF A COMPREHENSIVE LIQUID CHROMATOGRAPHY METHOD COUPLED TO TANDEM MASS SPECTROMETRY FOR THE DETERMINATION OF TARGET CONTAMINANTS IN CEREAL PRODUCTS
Comunicazione Poster
- 1452** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
A. Arena, M. Zoccali, P.Q. Tranchida, L. Mondello
DETERMINATION OF PHTHALIC ACID ESTERS IN VEGETABLE OILS BY DIRECT INJECTION AND CRYOGENIC-MODULATION GC×GC QqQ MS
Comunicazione Poster
- 1453** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
M.R. Testa Camillo, M. Russo, P. Dugo, L. Mondello
SUPERCRITICAL FLUID CHROMATOGRAPHY COUPLED WITH TANDEM MASS SPECTROMETRY METHOD FOR THE ANALYSIS OF OXYGEN HETEROCYCLIC COMPOUND IN FRAGRANCES
Comunicazione Poster
- 1454** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
M. Galletta, M. Zoccali, P.Q. Tranchida, L. Mondello
FLOW-MODULATED COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY COMBINED WITH TIME-OF-FLIGHT MASS SPECTROMETRY: USE OF HYDROGEN AS A MORE SUSTAINABLE ALTERNATIVE TO HELIUM
Comunicazione Poster

- 1455** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
R. La Tella, P. Iannotta, C. Manzo, L. Mondello
HEMP PROJECT: SUPERCRITICAL FLUID EXTRACTION AS GREEN ALTERNATIVE TO TRADITIONAL EXTRACTION OF NATURAL COMPOUNDS
Comunicazione Poster
- 1456** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
C.Coppolino, T.M.G. Salerno, P. Donato, L. Mondello
APPLICATION OF A NEW INTEGRATED GC-FTIR/MS APPROACH FOR THE UNIVOCAL DISCRIMINATION OF REGIOISOMERS
Comunicazione Poster
- 1457** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
L.Cucinotta, R. Larcher, G. De Grazia, S. Moser, M. Paolini, A. Roncone, L. Bontempo, F. Camin, L. Mondello, D. Sciarrone
A DEEP INVESTIGATION OF VOLATILES IN MOSCATO GRAPES BY MEANS OF QUALI-QUANTITATIVE, ENANTIOMERIC AND ISOTOPIC DATA
Comunicazione Poster
- 1458** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
L.Cucinotta, G. De Grazia, E. Trovato, L. Mondello, D. Sciarrone
AUTHENTICITY ASSESSMENT OF VOLATILES IN AROMATIZED EXTRA VIRGIN OLIVE OILS BY MEANS OF ADVANCED ANALYTICAL APPROACHES
Comunicazione Poster
- 1459** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
G. De Grazia, L. Cucinotta, D. Sciarrone, P. Dugo, L. Mondello
INVESTIGATION OF CANNABIS SATIVA L. VOLATILE FRACTION BY SIMULTANEOUS ENANTIOMERIC AND ISOTOPIC RATIO MEASUREMENTS
Comunicazione Poster
- 1460** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
G. De Grazia, L. Cucinotta, D. Sciarrone, P. Dugo, L. Mondello
CRYOGENIC TRAPPING APPLIED TO THE ISOLATION OF HIGHLY VOLATILE MOLECULES BY PREPARATIVE MDGC
Comunicazione Poster

- 1461** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
M. Grasso, E. Trovato, Filippo Alibrando, L. Mondello
IDENTIFICATION OF CALENDULA AND JASMINE ESSENTIAL OILS BY GAS CHROMATOGRAPHYC ANALYSIS
Comunicazione Poster
- 1462** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
F. Vento, E. Trovato, P. Dugo, L. Mondello
USE OF SPME-GAS CHROMATOGRAPHY TECHNIQUE FOR THE ANALYSIS OF CHILI PEPPER VOLATILE PROFILE
Comunicazione Poster
- 1463** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
Antonio Ferracane, Natalia Manousi, Abuzar Kabir, Kenneth G. Furton, Peter Q. Tranchida, George A. Zachariadis, Luigi Mondello, Victoria F. Samanidou, Erwin Rosenberg
CAPSULE PHASE MICROEXTRACTION OF ORGANOCHLORINE PESTICIDES FROM ENVIRONMENTAL WATER SAMPLES UTILIZING MONOLITHIC SOL-GEL POLYETHYLENE GLYCOL-BASED MEDIA AS A FRONT-END TO GAS CHROMATOGRAPHY-MASS SPECTROMETRY
Comunicazione Poster
- 1464** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
Filippo Alibrando, Yassine Oulad El Majdoub, Francesco Cacciola, Katia Arena, Eleonora Pagnotta, Roberto Matteo, Giuseppe Micalizzi, Laura Dugo, Paola Dugo, Luigi Mondello
CHEMICAL CHARACTERIZATION OF THREE ACCESSIONS OF *BRASSICA JUNCEA* L. EXTRACTS FROM DIFFERENT PLANT TISSUES
Comunicazione Poster
- 1465** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
Filippo Alibrando, Giuseppe Micalizzi, Federica Vento, Emanuela Trovato, Mariosimone Zoccali, Paola Dugo, Luigi Mondello
GAS CHROMATOGRAPHY ANALYSIS OF CANNABIS SATIVA L. ESSENTIAL OIL OBTAINED USING A NEW MICROWAVE DISTILLATION TECHNIQUE FOR THE CHARACTERIZATION OF THE VOLATILE FRACTION
Comunicazione Poster

- 1466** XXIX Congresso della Divisione di Chimica Analitica della Società Chimica Italiana, Milazzo, Italy, September 11-15, 2022
Antonella Satira, Marina Russo, Maria Rita Testa Camillo, Luigi Mondello
 HIGH PERFORMANCE LIQUID CHROMATOGRAPHY FOR THE IDENTIFICATION OF IMPURITIES IN DRUGS CANDIDATES
 Comunicazione Poster
- 1467** 14th European Pesticide Residue Workshop (EPRW 2022), Bologna, Italy, September 19-23, 2022
Peter Q. Tranchida, Antonio Ferracane, Alessia Arena, Mariosimone Zoccali, Luigi Mondello
 Green sample preparation techniques coupled to comprehensive 2D chromatography-mass spectrometry for the analysis of pesticides in foods
 Comunicazione Orale a Invito
- 1468** 14th European Pesticide Residue Workshop (EPRW 2022), Bologna, Italy, September 19-23, 2022
 Antonio Ferracane, Natalia Manousi, Abuzar Kabir, Kenneth G. Furton, George A. Zachariadis, Victoria F. Samanidou, Peter Q. Tranchida, Luigi Mondello, Erwin Rosenberg
 Magnet-integrated fabric phase sorptive extraction based on dual stand-alone microextraction platforms combined with gas chromatography-mass spectrometry for multi-class pesticides determination in water samples
 Comunicazione Poster
- 1469** 33rd International Symposium on Chromatography (ISC 2022), Budapest, Hungary, September 18-22, 2022
Luigi Mondello
 New Frontier in Ultra Fast-GC from Theory to Practice
 Comunicazione Orale a Invito
- 1470** Global Conference on Food Science and Nutrition (GCFN 2022), On-line, September 22-24, 2022
 Katia Arena, Francesco Cacciola, Paola Dugo, Luigi Mondello, University of Messina
 Design of a comprehensive two-dimensional liquid chromatography method for analysis of pesticides in food real-world samples
 Comunicazione Orale a Invito
- 1471** SmartChem 2022, Catania, September 28-30, 2022
Emanuela Trovato, Laura Dugo, Paola Dugo, Luigi Mondello
 Caratterizzazione Target e Untargeted in Estratti di *Rhus coriaria* L. (Sommacco)
 Comunicazione Orale
- 1472** 8th International Conference on Food Chemistry and Technology, Rome, October 12-14, 2022
 Katia Arena, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Exploiting comprehensive two-dimensional liquid chromatography for pesticides determination in food real-world samples
 Comunicazione Orale a Invito

- 1473** Molecules 2022 Webinar Exploring bioactive polyphenolic compounds in food and natural real-world samples, October 14, 2022
Francesco Cacciola, Katia Arena, Paola Dugo, Luigi Mondello
 Exploring bioactive polyphenolic compounds in food and natural real-world samples
 Comunicazione Orale a Invito
- 1474** Molecules 2022 Webinar Exploring bioactive polyphenolic compounds in food and natural real-world samples, October 14, 2022
Katia Arena, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Discovery of bioactive compounds from natural products by means of LC×LC-PDA/MS
 Comunicazione Orale a Invito
- 1475** 1st edition Italian School in Food Chemistry for PhD student, Pavia, Italy, October 17th-18th 2022
Yassine Oulad El Majdoub, Domenica Mangraviti, Francesca Rigano, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Discrimination of Lamiaceae species through the analysis of polyphenol compounds by HPLC-PDA and Rapid evaporative ionization mass spectrometry (REIMS) approaches
 Comunicazione Orale
- 1476** 1st edition Italian School in Food Chemistry for PhD student, Pavia, Italy, October 17th-18th 2022
Cinzia Cafarella, Domenica Mangraviti, Francesca Rigano, Paola Dugo, Luigi Mondello
 Direct analysis in real time for the preservation of high-quality italian extra virgin olive oils
 Comunicazione Orale
- 1477** 1st edition Italian School in Food Chemistry for PhD student, Pavia, Italy, October 17th-18th 2022
Giovanna Cafeo, Tania Maria Grazia Salerno, Paola Dugo, Luigi Mondello
 Determination of oxygen heterocyclic compounds in food matrices by HPLC-MS/MS combined with linear retention index system
 Comunicazione Orale
- 1478** Incontri di Scienza delle Separazioni, Firenze, Italy, November, 17th-18th 2022
Francesca Rigano, Luigi Mondello
 The use of linear retention index in liquid chromatography: from its application to conventional LC methods to its key role in a hand-portable Cap-LC instrument
 Comunicazione Orale a Invito
- 1479** Incontri di Scienza delle Separazioni, Firenze, Italy, November, 17th-18th 2022
M. Galletta, M. Zoccali, P. Q. Tranchida, L. Mondello
 Development of a "Green" Method for Capsicum Volatilome Investigation by using Headspace Solid-Phase Microextraction Combined with Flow-Modulated Comprehensive Two-Dimensional Gas Chromatography-Mass Spectrometry Using Hydrogen as Carrier Gas
 Comunicazione Orale

- 1480** Incontri di Scienza delle Separazioni, Firenze, Italy, November, 17th-18th 2022
G. De Grazia, L. Cucinotta, D. Sciarrone, P. Dugo, L. Mondello
 Multidimensional gas chromatography coupled to an olfactometric port-MS for enhanced trace components odour evaluation
 Comunicazione Orale
- 1481** Incontri di Scienza delle Separazioni, Firenze, Italy, November, 17th-18th 2022
L. Cucinotta, G. De Grazia, D. Sciarrone, L. Mondello
 Chiral isotopic fractionation in essential oils: a new perspective for authenticity assessment?
 Comunicazione Orale
- 1482** Incontri di Scienza delle Separazioni, Firenze, Italy, November, 17th-18th 2022
Cinzia Cafarella, Francesca Rigano, Ghanya Al-Naqeb, Eugenio Aprea, Giovanna Ferrentino, Paola Dugo, Luigi Mondello
 Supercritical fluid extraction and chemical characterization of *Cactus opuntia ficus-indica* and *Opuntia dillenii* seeds oil in comparison with traditional solvent extraction
 Comunicazione Orale
- 1483** Incontri di Scienza delle Separazioni, Firenze, Italy, November, 17th-18th 2022
Carmelo Coppolino, Andrea Cerrato, Anna Laura Capriotti, Paola Donato, Luigi Mondello
 Recovery and Valorisation of Protein Hydrolysates from Tuna Fishery Industry Waste
 Comunicazione Orale
- 1484** Incontri di Scienza delle Separazioni, Firenze, Italy, November, 17th-18th 2022
Giovanna Cafeo, Tania Maria Grazia Salerno, Paola Dugo, Luigi Mondello
 HPLC-MS/MS method combined with Linear Retention Index system to evaluate the Oxygen Heterocyclic fraction content in *Citrus* fragranced hand gel sanitizers
 Comunicazione Poster
- 1485** Incontri di Scienza delle Separazioni, Firenze, Italy, November, 17th-18th 2022
Alessia Arena, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 A Limited-Volume Solvent Extraction Step Prior to Comprehensive Two-Dimensional Gas Chromatography-Mass Spectrometry for the Determination of Pesticides in Extra Virgin Olive Oil
 Comunicazione Poster
- 1486** Incontri di Scienza delle Separazioni, Firenze, Italy, November, 17th-18th 2022
Valentina Chiaia, Giuseppe Micalizzi, Danilo Donnarumma, Anna Irto, Clemente Bretti, Paola Cardiano, Luigi Mondello
 GC And HPLC Separation Techniques for the Elucidation of Aged Lipid Compounds in Archaeological Context
 Comunicazione Poster

- 1487** Incontri di Scienza delle Separazioni, Firenze, Italy, November, 17th-18th 2022
Maria Rita Testa Camillo, Marina Russo, Paola Dugo, Luigi Mondello
 Extraction and determination of chiral pesticides in hemp seeds by using enantioselective supercritical fluid chromatography-triple quadrupole
 Comunicazione Poster
- 1488** Convegno Congiunto delle Sezioni Calabria e Sicilia della Società Chimica Italiana, Reggio Calabria, Italy, December 1st-2nd 2022
Anna Irto, Salvatore G. M. Raccuia, Katia Arena, Tania M. G. Salerno, Gabriele Lando, Paola Cardiano, Francesco Cacciola, Luigi Mondello
 Determinazione di composti ad alto valore aggiunto da scarti di lavorazione del bergamotto
 Comunicazione Poster
- 1489** Advances in Food Analysis: A Virtual Symposium, December 6-7th, 2022
Peter Q. Tranchida, Alessia Arena, Antonio Ferracane, Micaela Galletta, Mariosimone Zoccali, Luigi Mondello
 Three- and Four-Dimensional Gas Chromatography–Mass Spectrometry in Food Analysis: When and Why to Exploit?
 Comunicazione Orale a Invito
- 1490** Advances in Food Analysis: A Virtual Symposium, December 6-7th, 2022
Francesco Cacciola, Katia Arena, Paola Dugo, Luigi Mondello
 Unravelling the Polyphenolic Content of Complex in Food and Natural Products by Comprehensive two-dimensional liquid chromatography
 Comunicazione Orale a Invito
- 1491** 14th Multidimensional Chromatography Workshop, January 30th -February 1st, 2023
M. Zoccali, Alessia Arena, Antonio Ferracane, Peter Q. Tranchida, Luigi Mondello
 determination of xenobiotics in food samples through reduced sample preparation coupled to cryogenic-modulation gc×gc combined with triple-quadrupole mass spectrometry
 Comunicazione Orale a Invito
- 1492** Micaela Galletta, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 Untargeted characterization of the volatile fraction and targeted determination of chiral lactones in Marsala wines by means of flow-modulation headspace SPME-chiral GC×polarGC-ToFMS
 Comunicazione Orale
- 1493** 3rd International Virtual Conference on Food Science and Nutrition, February 2-4, 2023
Francesco Cacciola, Katia Arena, Paola Dugo, Luigi Mondello
 Analyzing pesticides in food real-world samples by comprehensive two-dimensional liquid chromatography
 Comunicazione Orale a Invito

- 1494** Pittcon 2023, Philadelphia, Pennsylvania, USA. March 18-22, 2023
Francesca Rigano, Roberta La Tella, Luigi Mondello
 Different ways to make liquid chromatography “green”: water as solvent of election under analytical scale conditions and novel portable miniaturized systems
 Comunicazione Orale a Invito
- 1495** ANAKON 2023, Wien, Austria, April 11-14, 2023
Natasa P. Kalogiouri, Antonio Ferracane, Natalia Manousi, Peter Q. Tranchida, Luigi Mondello, George A. Zachariadis, Victoria F. Samanidou, Erwin Rosenber
 An optimized SPME-GC×GC/MS volatilomics approach combined with supervised chemometrics to investigate pomegranate juice adulteration
 Comunicazione Poster
- 1496** ANAKON 2023, Wien, Austria, April 11-14, 2023
Antonio Ferracane, Natalia Manousi, Abuzar Kabir, Kenneth G. Furton, George A. Zachariadis, Victoria F. Samanidou, Peter Q. Tranchida, Luigi Mondello, Erwin Rosenberg
 Dual magnet-integrated fabric phase sorptive extraction combined with GC-MS for multi-class pesticide monitoring
 Comunicazione Poster
- 1497** ANAKON 2023, Wien, Austria, April 11-14, 2023
 Natalia Manousi, Antonio Ferracane, Natasa P. Kalogiouri, Kenneth G. Furton, Peter Q. Tranchida, Luigi Mondello, George A. Zachariadis, Erwin Rosenberg, Victoria F. Samanidou, Abuzar Kabir
 Titania-based second-generation fabric phase sorptive extraction media: Synthesis, characterization, and preliminary evaluation
 Comunicazione Poster
- 1498** XXXI Congresso Nazionale di Fitoterapia, Brescia, Italy, 28-30 Aprile, 2023
 Valutazione del contenuto fenolico, dell’attività antiossidante e della tossicità di estratti ottenuti dalle parti aeree di *Thymus capitatus* (Lamiaceae) raccolto allo stato spontaneo in Sicilia
Emilia Cavò, Natalizia Miceli, Federica Davì, Paola Arena, Roberto Laganà Vinci, Francesco Cacciola, Luigi Mondello, Monica Ragusa, Maria Fernanda Taviano
 Comunicazione Poster
- 1499** Extreme Chromatography Workshop, CNR, Rome, Italy, May 8, 2023
Luigi Mondello
 Comprehensive Two-Dimensional Liquid Chromatography-Tandem Mass Spectrometry for the Analysis of Complex Food Samples
 Comunicazione Orale Plenaria a Invito
- 1500** SFC Europe 2023, Basel, Switzerland, May 14-15, 2023
Luigi Mondello, Roberta La Tella, Francesca Rigano, Paola Donato
 An assessment of the selectivity of novel porous graphitic carbon stationary phases
 Comunicazione Orale Plenaria a Invito

- 1501** SFC Europe 2023, Basel, Switzerland, May 14-15, 2023
Luigi Mondello
On-line SFE-enantio SFC-QqQ MS for the determination of chiral pesticides in hemp seeds
Comunicazione Orale a Invito
- 1502** XIII Congresso Nazionale di Chimica degli Alimenti, Marsala, Italy, 29-31 Maggio, 2023
Francesco Cacciola, Katia Arena, Paola Dugo, Luigi Mondello
Analysis of pesticides in corn-based samples by comprehensive two-dimensional liquid chromatography
Comunicazione Orale
- 1503** XIII Congresso Nazionale di Chimica degli Alimenti, Marsala, Italy, 29-31 Maggio, 2023
Marina Russo, Maria Rita Testa Camillo, Giovanna Cafeo, Paola Dugo, Luigi Mondello
Reduced time and eco-friendly chromatographic analyses for fast quality control of oxygen heterocyclic compounds in foods
Comunicazione Orale
- 1504** XIII Congresso Nazionale di Chimica degli Alimenti, Marsala, Italy, 29-31 Maggio, 2023
Francesca Rigano, Domenica Mangraviti, Paola Dugo, Luigi Mondello
Metabolomic Profiling of Medicinal and Aromatic Plants through Ambient Mass Spectrometry Combined with Chemometrics: A Powerful Tool against Fraudulent Activities
Comunicazione Orale
- 1505** XIII Congresso Nazionale di Chimica degli Alimenti, Marsala, Italy, 29-31 Maggio, 2023
Katia Arena, Francesco Cacciola, Paola Dugo, Luigi Mondello
Quali-quantitative screening of bioactive compounds from health food through comprehensive two-dimensional liquid chromatography
Comunicazione Orale
- 1506** XIII Congresso Nazionale di Chimica degli Alimenti, Marsala, Italy, 29-31 Maggio, 2023
Domenica Mangraviti, Francesca Rigano, Cinzia Cafarella, Paola Dugo, Luigi Mondello
Application of Direct Analysis in Real-Time Mass Spectrometry (DART-MS) and multivariate approach for the rapid and automatic evaluation of edible oils
Comunicazione Orale

- 1507** XIII Congresso Nazionale di Chimica degli Alimenti, Marsala, Italy, 29-31 Maggio, 2023
Maria Rita Testa Camillo, Marina Russo, Paola Dugo, Luigi Mondello
 Determination of chiral pesticides in hemp seeds by using ON-LINE SFE-enantioselective SFC-QqQ/MS
 Comunicazione Orale
- 1508** XIII Congresso Nazionale di Chimica degli Alimenti, Marsala, Italy, 29-31 Maggio, 2023
Cinzia Cafarella, Francesca Rigano, Emanuela Trovato, Paola Dug, Luigi Mondello
 Cold Pressed Seed Oils as a New Source of Nutraceuticals – A Comprehensive Chemical Characterization
 Comunicazione Orale
- 1509** XIII Congresso Nazionale di Chimica degli Alimenti, Marsala, Italy, 29-31 Maggio, 2023
Giovanna Cafeo, Tania Maria Grazia Salerno, Marina Russ, Paola Dugo, Luigi Mondello
 Use of an HPLC-MS/MS method coupled with Linear Retention Index system to characterize the Oxygen Heterocyclic fraction in *Citrus* flavored drinks
 Comunicazione Orale
- 1510** XIII Congresso Nazionale di Chimica degli Alimenti, Marsala, Italy, 29-31 Maggio, 2023
Giovanna Cafeo, Marina Russo, Paola Dugo, Luigi Mondello
 Evaluation of bioactive compounds in bergamot peels and juice
 Comunicazione Poster
- 1511** XIII Congresso Nazionale di Chimica degli Alimenti, Marsala, Italy, 29-31 Maggio, 2023
Roberto Laganà Vinci, Katia Arena, Emanuela Trovato, Roberta La Tella, Francesca Rigano, Paola Dugo, Paolo Guarnaccia, Luigi Mondello
 New functional foods: characterisation of products derived from *Cannabis Sativa* L. by advanced chromatographic techniques
 Comunicazione Poster
- 1512** XIII Congresso Nazionale di Chimica degli Alimenti, Marsala, Italy, 29-31 Maggio, 2023
Domenica Mangraviti, Danilo Donnarumma, Emanuela Trovato, Giuseppe Arcoleo, Giulia Casini, Cosimo Manzo, Paola Dugo, Luigi Mondello
 Use of magnetic ionic liquid (MIL) and Loop-mediated isothermal amplification (LAMP) for the detection of microbial agents in food: a proof of concept
 Comunicazione Poster

- 1513** XIII Congresso Nazionale di Chimica degli Alimenti, Marsala, Italy, 29-31 Maggio, 2023
F. Rigano, K. Arena, F. Cacciola, L. Mondello
 Development and validation of a comprehensive liquid chromatography method coupled to tandem mass spectrometry for the quantification of target contaminants in cereals
 Comunicazione Poster
- 1514** 1° Congresso intersocietà sui prodotti vegetali per la salute Il ruolo delle piante medicinali nella medicina moderna, Padova, Italy, 15-17 Giugno, 2023
 Arena P., Miceli N., Marino A., Davì F., Cavò E., Spadaro V., Raimondo F.M., Cacciola F., Laganà Vinci R., Mondello L., Taviano M.F.
 Phenolic profile and biological activities of hydroalcoholic extracts from leaves, flowers and stems of *Sinapis pubescens* L. subsp. *pubescens* (Brassicaceae) wild from Sicily (Italy)
 Comunicazione Poster
- 1515** 9ème édition de la Journée Arômes & Parfums, Université Cote D’Azur, Nice, France, June 16, 2023
Paola Dugo, Marina Russo, Tania M. G. Salerno, Giovanna Cafeo, Luigi Mondello
 Characterization of oxygen heterocyclic compounds in *Citrus* essential oils and cosmetic products containing *Citrus* derivatives
 Comunicazione Orale Plenaria a Invito
- 1516** HPLC 2023, 51st International Symposium on High Performance Liquid Phase Separations and Related Techniques, Duesseldorf, Germany, June 18-22, 2023
P. Dugo, K. Arena, F. Cacciola, L. Mondello
 Comprehensive Two-Dimensional Liquid Chromatography Coupled to Mass Spectrometry for Food Analysis
 Comunicazione Orale a Invito
- 1517** HPLC 2023, 51st International Symposium on High Performance Liquid Phase Separations and Related Techniques, Duesseldorf, Germany, June 18-22, 2023
P. Donato, F. Rigano, R. La Tella, C. Coppolino, P. Dugo, L. Mondello
 Investigation of a Novel Porous Graphitic Carbon Column as Stationary Phase in Supercritical Fluid Chromatography
 Comunicazione Orale
- 1518** HPLC 2023, 51st International Symposium on High Performance Liquid Phase Separations and Related Techniques, Duesseldorf, Germany, June 18-22, 2023
C. Coppolino, T. M. G. Salerno, G. Frison, L. Zamengo, P. Donato, L. Mondello
 Determination of methorphan enantiomers in seizure drugs and biological specimens by means of chiral HPLC-MS/MS
 Comunicazione Orale

- 1519** HPLC 2023, 51st International Symposium on High Performance Liquid Phase Separations and Related Techniques, Duesseldorf, Germany, June 18-22, 2023
G. Cafeo, T. M. G. Salerno, P. Dugo L. Mondello
 RP-HPLC-QqQ-MS combined with LRI system to determine oxygen heterocyclic compounds in *Citrus* fragranced hand sanitizers
 Comunicazione Poster
- 1520** HPLC 2023, 51st International Symposium on High Performance Liquid Phase Separations and Related Techniques, Duesseldorf, Germany, June 18-22, 2023
 Mats Josefson, Gustaf Hulthe, Hasanain Al-Abas, Marta Luciani, Tania Salerno, Carmelo Coppolino, Paola Donato, Luigi Mondello, Dario Ferracane, William W. Carson, P-O Quist
 Characterization of modified celluloses for pharmaceutical formulation by Size Exclusion Chromatography/InfraRed detection and Machine Learning
 Comunicazione Poster
- 1521** 2nd Advances in Separataion Science, Liege, Belgium, June 28-29, 2023
 M. Zoccali, Alessia Arena, Antonio Ferracane, Peter Q. Tranchida, Luigi Mondello
 Determination of pesticides in food samples through reduced sample preparation coupled to flow- and cryogenic-modulation GC×GC combined with triple-quadrupole mass spectrometry
 Comunicazione Orale a Invito
- 1522** 2nd Advances in Separataion Science, Liege, Belgium, June 28-29, 2023
Micaela Galletta, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 Use of headspace SPME coupled with flow-modulated comprehensive two-dimensional gas chromatography (enantio×polar) with time-of-flight mass spectrometry to determine chiral lactones and characterize the volatilome of Marsala wines
 Comunicazione Orale
- 1523** 4th International Virtual Conference on Food Science & Nutrition, July 07-08, 2023
Francesco Cacciola, Katia Arena, Paola Dugo, Luigi Mondello
 Comprehensive two-dimensional liquid chromatography for the analysis of pesticides in corn-based samples
 Comunicazione Orale a Invito
- 1524** The 19th International Symposium on Carotenoids, Toyama, Japan, July 9-14, 2023
Giuffrida D., Zoccali M., Dugo P., Mondello L.
 Apocarotenoids determination in *Capsicum* species and biological fluids by supercritical fluid extraction-supercritical fluid chromatography-triple quadrupole/mass spectrometry
 Comunicazione Orale a Invito

- 1525** The 19th International Symposium on Carotenoids, Toyama, Japan, July 9-14, 2023
 Jader Martínez-Girón, Coralia Osorio, Luis Eduardo Ordoñez-Santos, Francesca Rigano, Cinzia Cafarella, Luigi Mondello, Daniele Giuffrida
 Peach palm fruit (*Bactris gasipaes*) peel as a source of Provitamin A carotenoids
 Comunicazione Poster
- 1526** Essential Oil Science at doTerra, on-line, August 2nd, 2023
Luigi Mondello
 Advanced Analytical Methods for the Analysis of Essential Oils
 Comunicazione Orale a Invito
- 1527** XII Argentine Congress of Analytical Chemistry, San Juan, Argentina, September 12-15, 2023.
Paola Dugo, Katia Arena, Francesco Cacciola, Luigi Mondello
 Exploiting multidimensional liquid chromatography capabilities in natural products analysis
 Comunicazione Orale a Invito
- 1528** 118° Congresso della Società Botanica Italiana, Pisa, Italy, September 13-16, 2023
Paola Arena, Federica Davì, Natalizia Miceli, Emilia Cavò, Vivienne Spadaro, Francesco Maria Raimondo, Francesco Cacciola, Roberto Laganà Vinci, Luigi Mondello, Maria Fernanda Taviano
 Evaluation of the antioxidant properties of fractions from the flower hydroalcoholic extract of *Sinapis pubescens* L. subsp. *pubescens* (*Brassicaceae*) grown wild in Sicily (Italy)
 Comunicazione Poster
- 1529** 118° Congresso della Società Botanica Italiana, Pisa, Italy, September 13-16, 2023
Anna Cacciola, Giuseppe Micalizzi, Yassine Oulad El Majdoub, Filippo Alibrando, Francesco M. Raimondo, Luigi Mondello, Maria Paola Germanò, Francesco Cacciola
 Chemical characterization and evaluation of the antioxidant properties of *Anthemis parlatoreana* Raimondo, Bajona, Spadaro & Di Gristina (*Asteraceae*)
 Comunicazione Poster
- 1530** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Danilo Sciarrone, Gemma De Grazia, Lorenzo Cucinotta, Luigi Mondello
 Tridimensional gas chromatographic system coupled to an olfactometric port and FID/MS detection for the quali-quantitative and odour evaluation of trace components
 Comunicazione Orale

- 1531** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Marina Russo, Maria Rita Testa Camillo, Giovanna Cafeo, Antonella Satira, Patrik Appelblad, Romana Rigger, Paola Dugo, Luigi Mondello
 Use of liquid and supercritical fluid chromatography for determination of coumarins, furocoumarins, and polymethoxyflavones
 Comunicazione Orale
- 1532** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Tania M. G. Salerno, Carmelo Coppolino, Lorenzo Cucinotta, Paola Donato, Luigi Mondello
 Boosting the confidence in identification in the Flavour and Fragrance field via a Gas Chromatography – Mass Spectrometry – Fourier Transform Infrared Spectroscopy instrument
 Comunicazione Orale
- 1533** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Lorenzo Cucinotta, Gemma De Grazia, Danilo Sciarrone, Luigi Mondello
 Enantio-selective multidimensional gas chromatography coupled to isotopic ratio mass spectrometry for the authenticity assessment of *Citrus* essential oils
 Comunicazione Orale
- 1534** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Antonio Ferracane, Micalizzi Giuseppe, Filippo Alibrando, Leonard M Sidisky, Luigi Mondello
 About the use of alternative carrier gasses in gas chromatography for analysis of *Citrus* essential oils through the use of flame ionization detector and mass spectrometry
 Comunicazione Orale
- 1535** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Alessia Arena, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 Assessment and challenges of mineral oil contamination in *Citrus* essential oils
 Comunicazione Orale
- 1536** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Cinzia Cafarella, Francesca Rigano, Emanuela Trovato, Paola Dugo, Luigi Mondello
 Comprehensive Chemical Characterization of Unconventional Cold Pressed Seed Oils
 Comunicazione Orale

- 1537** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Giovanna Cafeo, Marina Russo, Paola Donato, Paola Dugo, Luigi Mondello
 A fast and eco-friendly HPLC-MS/MS method to determine oxygen heterocyclic compounds in Citrus essential oils
 Comunicazione Orale
- 1538** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Giuseppe Micalizzi, Valentina Chiaia, Filippo Alibrando, Pietro Maida, Luigi Mondello
 Characterization of the volatile profile of essential oil samples distilled from drug type *Cannabis Sativa* L. flowering tops
 Comunicazione Poster
- 1539** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
 IKnife Based on Rapid Evaporative Ionization Mass Spectrometry Technology for the Safeguard of Saffron Quality
Francesca Rigano, Cinzia Cafarella, Domenica Mangraviti, Carmela Sottile, Paola Dug, Luigi Mondello
 Comunicazione Poster
- 1540** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Domenica Mangraviti, Francesca Rigano, Paola Dugo, Luigi Mondello
 Differentiation and Characterization of Aromatic Moroccan Plants by Ambient Mass Spectrometry Combined with Chemometrics
 Comunicazione Poster
- 1541** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Roberta La Tella, Francesca Rigano, Paola Dugo, Luigi Mondello
 Fast and Reliable Identification of Non-Volatile Residue of Citrus Essential Oils by Supercritical Fluid Chromatography Coupled with Electron Ionization Mass Spectrometry
 Comunicazione Poster
- 1542** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Antonella Satira, Marina Russo, Paola Dugo, Luigi Mondello
 Development of an environmental-friendly SFC/PDA for the quantification of oxygen heterocyclic compounds in cold-pressed Citrus essential oils
 Comunicazione Poster
- 1543** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Maria Rita Testa Camillo, Marina Russo, Paola Dugo, Luigi Mondello
 Analysis of oxygen heterocyclic compound in cold-pressed *Citrus* essential oils and fragrances using supercritical fluid chromatography coupled to tandem mass spectrometry method
 Comunicazione Poster

- 1544** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Federica Vento, Emanuela Trovato, Domenica Mangraviti, Hussein A. Fakhry, Fatma Salaheldin, Paola Dug, Luigi Mondello
 Characterization of the essential oil, absolute and extract of Egyptian Calendula (*Calendula officinalis* L.)
 Comunicazione Poster
- 1545** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Federica Vento, Filippo Alibrando, Giuseppe Micalizzi, Marina Russo, Ivana Bonaccorsi, Cristian Reale, Paola Dugo, Luigi Mondello
 Evaluation of Volatile Fraction and Oxygen Heterocyclic Compounds of Mandarin essential oils
 Comunicazione Poster
- 1546** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Federica Vento, Filippo Alibrando, Giuseppe Micalizzi, Marina Russo, Ivana Bonaccorsi, Elisa Irrera, Paola Dugo, Luigi Mondello
 Evaluation of Volatile Fraction and Oxygen Heterocyclic Compounds of sweet orange essential oils
 Comunicazione Poster
- 1547** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Filippo Alibrando, Giovanna Cafeo, Marina Russo, Paola Dugo, Luigi Mondello
 Chemical characterization of Finger Lime (*Citrus australasica* L.) essential oil and hexane extract
 Comunicazione Poster
- 1548** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Filippo Alibrando, Federica Vento, Giuseppe Micalizzi, Marina Russo, Ivana Bonaccorsi, Micaela Galletta, Paola Dugo, Luigi Mondello
 Bergamot essential oil: characterization of volatile fraction, Oxygen Heterocyclic Compounds and enantiomeric distribution of volatile components
 Comunicazione Poster
- 1549** 53rd International Symposium on Essential Oils (ISEO 2023), Milazzo, Italy, September 13-16, 2023
Filippo Alibrando, Federica Vento, Giuseppe Micalizzi, Marina Russo, Ivana Bonaccorsi, Valentina Chiaia, Paola Dugo, Luigi Mondello
 Lemon essential oil: characterization of volatile fraction, Oxygen Heterocyclic Compounds and enantiomeric distribution of volatile components.
 Comunicazione Poster

- 1550** 29th International Symposium on Electro- and Liquid Phase- Separation Techniques (ITP 2023), San Felice Circeo, Italy, September 13-17, 2023
Laura Martín-Pozo, Katia Arena, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Development and validation of a multi-class analysis of pesticides in corn products using comprehensive two-dimensional liquid chromatography-tandem mass spectrometry
 Comunicazione Orale
- 1551** XXX Congresso della Divisione di Chimica Analitica, Città Del Vasto, Italy, September 17-21, 2023
P.Q. Tranchida, M. Zoccali, A. Arena, M. Galletta, A. Ferracane, L. Mondello
 COMPREHENSIVE 2D GAS CHROMATOGRAPHY 30-PLUS YEARS ONWARDS: HAS IT FULFILLED THE EXPECTATIONS?
 Comunicazione Orale
- 1552** XXX Congresso della Divisione di Chimica Analitica, Città Del Vasto, Italy, September 17-21, 2023
F. Rigano, D. Mangraviti, C. Cafarella, P. Dugo, L. Mondello
 THE POTENTIAL OF AMBIENT MASS SPECTROMETRY COMBINED WITH CHEMOMETRICS FOR THE ASSESSMENT OF FOOD AUTHENTICITY
 Comunicazione Orale
- 1553** XXX Congresso della Divisione di Chimica Analitica, Città Del Vasto, Italy, September 17-21, 2023
P. Donato, F. Rigano, R. La Tella, P. Dugo, L. Mondello
 RETENTION PROPERTIES OF A POROUS GRAPHITIC CARBON COLUMN AS STATIONARY PHASE IN SUPERCRITICAL FLUID CHROMATOGRAPHY
 Comunicazione Orale
- 1554** XXX Congresso della Divisione di Chimica Analitica, Città Del Vasto, Italy, September 17-21, 2023
D. Sciarrone, L. Cucinotta, G. De Grazia, L. Mondello
 EVALUATION OF TRACE ODOUR COMPONENTS BY MEANS OF A NOVEL 3D GC SYSTEM COUPLED TO OLPHACTOMETRIC, FID AND MS DETECTION
 Comunicazione Orale
- 1555** XXX Congresso della Divisione di Chimica Analitica, Città Del Vasto, Italy, September 17-21, 2023
M. Zoccali, A. Arena, P.Q. Tranchida, L. Mondello
 ON-LINE LIQUID-GAS CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY FOR POLYCYCLIC AROMATIC HYDROCARBONS ANALYSIS IN EXTRA-VIRGIN OLIVE OIL
 Comunicazione Orale

- 1556** XXX Congresso della Divisione di Chimica Analitica, Città Del Vasto, Italy, September 17-21, 2023
A. Ferracane, M. Zoccali, P.Q. Tranchida, L. Mondello
 A SIMPLE DILUTION AND SHOOT: LOW-PRESSURE GAS CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY FOR THE DETERMINATION OF PHTHALATES IN EXTRA VIRGIN OLIVE OIL
 Comunicazione Orale
- 1557** XXX Congresso della Divisione di Chimica Analitica, Città Del Vasto, Italy, September 17-21, 2023
A. Arena, M. Zoccali, A. Ferracane, M. Obkircher, H. Sprecher, P.Q. Tranchida, L. Mondello
 CRYOGENIC MODULATION GC×GC-QqQMS FOR PESTICIDES DETERMINATION IN HEMP SEED OIL
 Comunicazione Orale
- 1558** XXX Congresso della Divisione di Chimica Analitica, Città Del Vasto, Italy, September 17-21, 2023
V. Chiaia, G. Micalizzi, D. Donnarumma, A. Irto, C. Bretti, P. Cardiano, L. Mondello
 THERMAL DEGRADATION CHEMISTRY OF LIPIDS: AN AGEING STUDY ON EVOO SAMPLES BY MEANS OF GAS AND LIQUID CHROMATOGRAPHY-MASS SPECTROMETRY TECHNIQUES
 Comunicazione Orale
- 1559** XXX Congresso della Divisione di Chimica Analitica, Città Del Vasto, Italy, September 17-21, 2023
C. Coppolino, T. M. G. Salerno, G. Frison, L. Zamengo, P. Donato, L. Mondello
 METHOD FOR DIRECT ENANTIOMER DETERMINATION OF METHORPHAN IN SEIZED DRUGS AND BIOLOGICAL SPECIMENS BY MEANS OF CHIRAL HPLC-MS/MS
 Comunicazione Orale
- 1560** XXX Congresso della Divisione di Chimica Analitica, Città Del Vasto, Italy, September 17-21, 2023
M. Galletta, M. Zoccali, P. Q. Tranchida, L. Mondello
 UNTARGETED PROFILING AND TARGETED DETERMINATION OF CHIRAL LACTONES IN MARSALA WINES USING HEADSPACE SPME FLOW-MODULATED COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY (ENANTIO×POLAR) WITH TIME-OF-FLIGHT MASS SPECTROMETRY
 Comunicazione Orale

- 1561** XXX Congresso della Divisione di Chimica Analitica, Città Del Vasto, Italy, September 17-21, 2023
L. Cucinotta, D. Sciarrone, L. Mondello
 HYDROGEN AS CARRIER GAS FOR A COST EFFECTIVE PREPARATIVE MULTIDIMENSIONAL GAS CHROMATOGRAPHIC SYSTEM
 Comunicazione Poster
- 1562** XXX Congresso della Divisione di Chimica Analitica, Città Del Vasto, Italy, September 17-21, 2023
M. Zoccali, A. Ferracane, A. Arena, G. Micalizzi, L. Mondello
 RAPID AND LIMITED-VOLUME SOLVENT-EXTRACTION COUPLED TO GC×GC-QQQ MS FOR PESTICIDES DETERMINATION IN CANNABIS PRODUCTS
 Comunicazione Poster
- 1563** XXX Congresso della Divisione di Chimica Analitica, Città Del Vasto, Italy, September 17-21, 2023
G. Micalizzi, A. Ferracane, F. Alibrando, L. Mondello
 USING NITROGEN AND HYDROGEN AS ALTERNATIVE CARRIER GASES IN GAS CHROMATOGRAPHY COMBINED WITH FLAME IONIZATION DETECTOR AND MASS SPECTROMETRY.
 Comunicazione Poster
- 1564** XXX Congresso della Divisione di Chimica Analitica, Città Del Vasto, Italy, September 17-21, 2023
A. Ferracane, M. Zoccali, A. Arena, G. Micalizzi, L. Mondello
 MULTI-PESTICIDE RESIDUES DETERMINATION IN HEMP INFLORESCENCES USING A “SCALED” QuEChERS AND FM GC×GC-QqQMS
 Comunicazione Poster
- 1565** XXX Congresso della Divisione di Chimica Analitica, Città Del Vasto, Italy, September 17-21, 2023
C. Coppolino, T.M.G. Salerno, A. Ferracane, M. Zoccali, P.Q. Tranchida, P. Donato, L. Mondello
 FOURIER TRANSFORM INFRARED SPECTROSCOPY (FTIR) COUPLED TO COMPREHENSIVE TWO-DIMENSIONAL GAS CHROMATOGRAPHY (GC×GC-sd-FTIR): A POWERFUL TOOL FOR LIPIDOMICS STUDIES
 Comunicazione Poster
- 1566** XXX Congresso della Divisione di Chimica Analitica, Città Del Vasto, Italy, September 17-21, 2023
A. Arena, M. Zoccali, P.Q. Tranchida, L. Mondello
 MULTIDIMENSIONAL LIQUID-GAS CHROMATOGRAPHY FOR THE EVALUATION OF MINERAL OIL CONTAMINATION IN CITRUS ESSENTIAL OILS
 Comunicazione Poster

- 1567** XXX Congresso della Divisione di Chimica Analitica, Città Del Vasto, Italy, September 17-21, 2023
F. Rigano, K. Arena, F. Cacciola, P. Dugo, L. Mondello
 DEVELOPMENT AND VALIDATION OF A MULTI-CLASS METHOD FOR THE ANALYSIS OF PESTICIDES IN CEREALS BY COMPREHENSIVE TWO-DIMENSIONAL LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY
 Comunicazione Poster
- 1568** 13th ICBB International Conference on Biotechnology and Bioengineering, On-line, September 28-30, 2023
Alessia Tropea, Donatella Spadaro, Daniele Giuffrida, Juan Pablo Ruiz-Sanchez, Julio Montañez, Lourdes Morales-Oyervides, Laurent Dufossé, Giuseppe Calogero, Luigi Mondello
 Natural microbial dyes: advantages and perspectives for DSSC development
 Comunicazione Orale a Invito
- 1569** Incontri di Scienza delle Separazioni, Termoli, October 12-13, 2023
Lorenzo Cucinotta, Elisa Irrera, Francesca Cannizzaro, Tania Maria Grazia Salerno, Danilo Sciarrone, Luigi Mondello
 Evaluating More Sustainable Carrier Gases In Place Of Helium In The Field Of Preparative Multidimensional Gas Chromatography
 Comunicazione Orale
- 1570** Incontri di Scienza delle Separazioni, Termoli, October 12-13, 2023
Roberta La Tella, Francesca Rigano, Paola Donato, Paola Dugo, Luigi Mondello
 Porous Graphitic Carbon Stationary Phase: High Temperature Liquid Chromatography (HTLC) vs High Temperature Supercritical Fluid Chromatography (HTSFC)
 Comunicazione Orale
- 1571** Incontri di Scienza delle Separazioni, Termoli, October 12-13, 2023
Alessia Arena, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 A Fully Automated Multidimensional Method for Polycyclic Aromatic Hydrocarbons Determination in Olive Oil
 Comunicazione Orale
- 1572** Incontri di Scienza delle Separazioni, Termoli, October 12-13, 2023
Micaela Galletta, Audrey Combès, Valérie Pichon, Peter Q. Tranchida, Luigi Mondello
 Aptamer-based sorbents for the selective extraction of mycotoxins from urine samples
 Comunicazione Orale

- 1573** Incontri di Scienza delle Separazioni, Termoli, October 12-13, 2023
Carmelo Coppolino, Lorenzo Cucinotta, Tania Maria Grazia Salerno, Danilo Sciarrone, Paola Donato, Luigi Mondello
 Application of a new integrated GC-FTIR/MS approach for the univocal cis/trans fatty acid isomer discrimination
 Comunicazione Orale
- 1574** Incontri di Scienza delle Separazioni, Termoli, October 12-13, 2023
Giovanna Cafeo, Marina Russo, Paola Dugo, Luigi Mondello
 Development of a fast and environmentally sustainable HPLC-QqQ-MS method to characterize Oxygen Heterocyclic Compounds in *Citrus* products
 Comunicazione Orale
- 1575** Incontri di Scienza delle Separazioni, Termoli, October 12-13, 2023
Danilo Sciarrone, Lorenzo Cucinotta, Elisa Irrera, Francesca Cannizzaro, Tania Maria Grazia Salerno, Luigi Mondello
 Cryogenic Trapping of Highly Volatile Molecules by means of Preparative Multidimensional Gas Chromatography
 Comunicazione Poster
- 1576** 31st International Symposium on the Chemistry of Natural Products and 11th International Congress on Biodiversity, Naples, October 15-19, 2023
 Giuseppe Micalizzi, Francesca Rigano, and Luigi Mondello
 Advanced Analysis of Lipids in Food Samples using Innovative Chromatographic and Mass Spectrometric approaches
 Comunicazione Orale a Invito
- 1577** XXII Meeting of the Spanish Society of Chromatography and Related Techniques, S'Arenal, Mallorca, October 16-18, 2023
L. Martín-Pozo, K. Arena, F. Cacciola, P. Dugo, L. Mondello
 Analysis of pesticides in corn products using comprehensive two-dimensional liquid chromatography-tandem mass spectrometry: method development and validation
 Comunicazione Poster
- 1578** Convegno Congiunto delle Sezioni Sicilia e Calabria della Società Chimica Italiana, Palermo, Italy, December 11-12, 2023
Luigi Mondello
 Advanced Multidimensional Separations as Virtual Imaging Techniques for Reliable Identification of Unknown Molecules
 Comunicazione Plenaria Orale a Invito
- 1579** Austrian Summit on Natural Products, Seefeld, Tyrol, Austria March 3-6, 2024
Luigi Mondello
 Advanced analysis of lipids in food using multidimensional comprehensive chromatography approaches
 Comunicazione Plenaria Orale a Invito

- 1580** Analytica Munich, Munich, Germany, April 9-12, 2024
L. Mondello
 The Fascinating World of Fast Separation Using Narrow-Bore Columns from Theory to Practice.
 Comunicazione Orale a Invito
- 1581** Fondazione “I lincei per la scuola”, Polo Camerino - Scienze 2023/2024,
L. Mondello, M. Zoccali
 Rischio chimico-Biocidi
 Comunicazione Orale a Invito
- 1582** 1st Symposium of Biotechnological Colorant, Araraquara, Brazil, June 19-20, 2024
Alessia Tropea, Donatella Spadaro, Ilaria Citro, Stefano Trocino, Daniele Giuffrida, Francesca Rigano, Lourdes Morales-Oyervides, Thorsten Brinkhoff, Till Tiso, Laurent Dufossé, Giuseppe Calogero, Luigi Mondello
 Natural microbial pigments implementation for new energy suppliers
 Comunicazione Orale
- 1583** 53rd International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC 2024), Denver (CO), USA, July 20-25th, 2024
P. Donato, F. Rigano, K. Arena, P. Dugo, S. Felletti, M. Catani, A. Cavazzini, L. Mondello
 Investigation of solute retention behavior in supercritical fluid chromatography on porous graphitic carbon
 Comunicazione Orale
- 1584** 53rd International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC 2024), Denver (CO), USA, July 20-25th, 2024
K. Arena, F. Cacciola, R. Laganà Vinci, P. Donato, P. Dugo, L. Mondello
 Exploration of different separation properties in comprehensive two-dimensional liquid chromatography for the in-depth metabolites characterization of complex food samples
 Comunicazione Orale
- 1585** 53rd International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC 2024), Denver (CO), USA, July 20-25th, 2024
P. Donato, A. Satira, F. Rigano, R. La Tella, P. Dugo, Víctor Cutillas, Patrik Appelblad, L. Mondello
 Green analytical methods for assessing oil quality and authenticity by subcritical fluid chromatography
 Comunicazione Poster
- 1586** 53rd International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC 2024), Denver (CO), USA, July 20-25th, 2024
 Roberta La Tella, Paola Donato, Francesca Rigano, Michael Ye, Paola Dugo, Luigi Mondello
 Development of a green method for the analysis of parabens by using new carbon material as stationary phases in superheated water chromatography
 Comunicazione Poster

- 1587** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
P. Dugo, F. Rigano, F. Cacciola, L. Mondello
 The power of analytical chemistry for the traceability of Italian excellences
 Comunicazione Orale a Invito
- 1588** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
M. Zoccali, P.Q. Tranchida, L. Mondello
 Two-dimensional virtual imaging as a tool for the identification of unknown molecules using comprehensive two-dimensional chromatography techniques
 Comunicazione Orale a Invito
- 1589** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
Francesca Rigano, Domenica Mangraviti, Cinzia Cafarella, Paola Dugo, Luigi Mondello
 Application of Rapid Evaporative Ionization Mass Spectrometry: from clinical diagnosis to food traceability
 Comunicazione Orale a Invito
- 1590** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
D. Sciarrone, L. Cucinotta, C. Coppolino, E. Irrera, A. Rotondo, P. Donato, L. Mondello
 Comprehensive characterization of a Brazilian essential oil exploiting qualitative, enantiomeric, and a preparative GC fast isolation followed by spectroscopy approaches
 Comunicazione Orale
- 1591** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
P. Donato, A. Satira, F. Rigano E. Trovato, I. Bonaccorsi, L. Mondello
 Green method for triacylglycerol analysis by subcritical fluid chromatography
 Comunicazione Orale
- 1592** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
F. Cacciola, M. Russo, K. Arena, P. Dugo, L. Mondello
 Comprehensive two-dimensional liquid chromatography for the characterization of the phenolic content in extra virgin olive oil and its by-products
 Comunicazione Orale

- 1593** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
E. Trovato, F. Vento, D. Mangraviti, F. Rigano, H. A. Fakhry, P. Dugo, L. Mondello
 Comprehensive Characterization of Egyptian Calendula (*Calendula officinalis* L.) Essential Oil and Absolute by Rapid Evaporative-Ionization Mass Spectrometry
 Comunicazione Orale
- 1594** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
A. Arena, M. Zoccali, P.Q. Tranchida, L. Mondello
 The usefulness of the cryogenic zone compression approach coupled to gas chromatography mass spectrometry for the determination of polycyclic aromatic hydrocarbons in extra-virgin olive oil
 Comunicazione Orale
- 1595** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
A. Tropea, D. Giuffrida, F. Rigano, C. Cafarella, G. Micalizzi, V. Chiaia, R. La Tella, L. Dufossè, B.S. Kim, L. Mondello
Paracoccus sp LL1 a promising β -carotene cell factory
 Comunicazione Orale
- 1596** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
F. Alibrando, L. Cucinotta, G. Cafeo, D. Sciarrone, M. Russo, P. Dugo, L. Mondello
 Chemical characterization of Citrus australasica peel essential oil by using different chromatographic techniques
 Comunicazione Poster
- 1597** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
P.Q. Tranchida, M. Zoccali, A. Arena, L. Mondello
 A method using dilute-and-inject liquid-gas chromatography-tandem mass spectrometry for the determination of sixteen polycyclic aromatic hydrocarbons in extra-virgin olive oil
 Comunicazione Poster
- 1598** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
A. Ferracane, A. Arena, D. Donnarumma, M. Zoccali, L. Mondello
 Facile and rapid ultrasound-assisted liquid-liquid extraction for the determination of pesticides in extra virgin olive oil followed by chromatography techniques hyphenated to tandem mass spectrometry
 Comunicazione Poster

- 1599** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
R. La Tella, F. Rigano, P. Donato, P. Dugo, L. Mondello
 Retention behavior of Porous Graphitic Carbon stationary phases under High Temperature Supercritical Fluid Chromatography conditions
 Comunicazione Poster
- 1600** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
L. Cucinotta, F. Cannizzaro, E. Pannucci, L. Santi, D. Sciarrone, L. Mondello
 Analytical characterization and synergic evaluation of volatile terpenes of selected β -caryophyllene containing spices for diabetes treatment
 Comunicazione Poster
- 1601** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
D. Donnarumma, E. Trovato, D. Mangraviti, G. Arcoleo, G. Casini, C. Manzo, P. Dugo, L. Mondello
 Detection of nucleic acids in food and biological samples after liquid/liquid extraction by using ionic liquids and loop-mediated isothermal amplification
 Comunicazione Poster
- 1602** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
C. Coppolino, T.M.G. Salerno, P. Donato, L. Mondello
 Univocal discrimination of hydrocarbon isomers by means of a novel integrated GC-FTIR/MS approach
 Comunicazione Poster
- 1603** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
V. Chiaia, G. Micalizzi, M. Mancuso, B. Mghili, G. D'Angelo, F. Falco, T. Bottari, L. Mondello
 Impact of microplastics on the lipid metabolism in *Trematomus bernacchii* from the Ross Sea, Antarctica
 Comunicazione Poster
- 1604** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
A. Satira, P. Donato, F. Rigano, E. Trovato, I. Bonaccorsi, L. Mondello
 A sustainable analytical approach towards assessing olive oil adulteration
 Comunicazione Poster
- 1605** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
T.M.G. Salerno, C. Coppolino, P. Donato, L. Mondello
 Development of a solid deposition GC-FTIR library as a powerful tool for the identification of hydrocarbon isomers
 Comunicazione Poster

- 1606** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
G. Cafeo, M. Russo, P. Dugo, L. Mondello
 A fast RP-HPLC-QqQ-MS method to identify and quantify 36 Oxygen Heterocyclic Compounds in Citrus-based products
 Comunicazione Poster
- 1607** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
F. Cannizzaro, L. Cucinotta, G. Micalizzi, V. Chiaia, F. Alibrando, G. Branca, P. Maida, D. Sciarrone, L. Mondello
 Profiling of seized *Cannabis* flowering tops by means of gas chromatography analyses
 Comunicazione Poster
- 1608** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
W.M.V. Marchesiello, M. Galletta, M. Russo, F. Cacciola, M. Quinto, P. Dugo, L. Mondello
 Analytical evaluation of bioactive compounds in olive oil by-products
 Comunicazione Poster
- 1609** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
F. Rigano, P. Dugo, L. Mondello
 Comprehensive lipidomic analysis of functional foods and nutritional implications
 Comunicazione Poster
- 1610** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
M. Galletta, W.M.V. Marchesiello, M. Russo, F. Cacciola, P. Dugo, L. Mondello
 Characterization of phenolic compounds in olive leaves of three different *Olea europaea* cultivars by HPLC-PDA/MS
 Comunicazione Poster
- 1611** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
E. Irrera, G. Cafeo, M. Russo, P. Dugo, L. Mondello
 Determination of oxygen heterocyclic compounds content in cinnamon- and Citrus-flavoured foods using High Performance Liquid Chromatography-Tandem Mass Spectrometry
 Comunicazione Poster

- 1612** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
F. Vento, E. Trovato, F. Rigano, C. Reale, P. Dugo, L. Mondello
Chemical characterization of unconventional seed oil with a focus on lipid components and volatile profile
Comunicazione Poster
- 1613** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
R. Laganà Vinci, K. Arena, E. Pannucci, F. Cacciola, L. Santi, L. Dugo, P. Dugo, L. Mondello
Sumac as promising nutraceutical source: investigation on phenolic profiles of Sicilian fruits and leaves
Comunicazione Poster
- 1614** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
C. Cafarella F. Rigano, D. Mangraviti, P. Dugo, L. Mondello
Direct Analysis in Real Time: untargeted vs targeted approaches for the preservation of high-quality Italian Extra Virgin Olive Oil
Comunicazione Poster
- 1615** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
D. Mangraviti, K. Arena, F. Rigano, C. Cafarella, P. Dugo, L. Mondello
Metabolomic Profiling of Herbs and Spices by using Ambient Mass Spectrometry Combined with Chemometric approaches: A Powerful Tool for Fraud Detection and Prevention.
Comunicazione Poster
- 1616** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
M. Russo, G. Cafeo, A. Satira, P. Dugo, L. Mondello
Oxygen Heterocyclic Compounds: Chromatographic Insights and Comparisons
Comunicazione Poster
- 1617** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
G. Micalizzi, V. Chiaia, A. Ferracane, A. Arigo, L. Mondello
Reliable and miniaturized profiling of pesticides in *Cannabis Sativa* L. inflorescence by means of gas chromatography coupled to triple quadrupole mass spectrometry
Comunicazione Poster

- 1618** XXVIII Chemical Society National Congress, Milan, Italy, August 26-30th, 2024
K. Arena, R. Laganà Vinci, F. Cacciola, P. Dugo, L. Mondello
 In-depth metabolite characterization of complex food samples using different separation properties in comprehensive two-dimensional liquid chromatography
 Comunicazione Poster
- 1619** 54th International Symposium on Essential Oils (ISEO 2024), Balatonalmádi, Hungary, September 8-11th, 2024
Luigi Mondello
 Advanced Sustainable Analytical Methods for the Analysis of Essential Oils
 Comunicazione Orale a Invito
- 1620** 54th International Symposium on Essential Oils (ISEO 2024), Balatonalmádi, Hungary, September 8-11th, 2024
Danilo Sciarrone, Lorenzo Cucinotta, Francesca Cannizzaro, Luca Santi, Elisa Pannucci, Luigi Mondello
 Preparative gas chromatography for the isolation of volatile terpenes for diabetes treatment
 Comunicazione Orale
- 1621** 54th International Symposium on Essential Oils (ISEO 2024), Balatonalmádi, Hungary, September 8-11th, 2024
Paola Agata Eustochia Donato, Lorenzo Cucinotta, Humberto Ribeiro Bizzo, Cicero Deschamps, Laura A. Duarte, Roger R. Cipriano, Wanderlei do Amaral, Wilson Loureiro, Danilo Sciarrone, Luigi Mondello
 The combination of gas chromatography based analysis and spectroscopy techniques for a thorough characterization of the essential oil of *Piper gaudichaudianum* Kunth from Brazil
 Comunicazione Orale
- 1622** 54th International Symposium on Essential Oils (ISEO 2024), Balatonalmádi, Hungary, September 8-11th, 2024
Francesca Cannizzaro, Lorenzo Cucinotta, Luca Santi, Elisa Pannucci, Danilo Sciarrone, Luigi Mondello
 Fractionation of specific terpene families prior to biological assays exploiting preparative gas chromatography
 Comunicazione Poster
- 1623** 3rd European Sample Preparation Conference (EuSP2024) and the 2nd Green and Sustainable Analytical Chemistry Conference (GSAC2024), Chania, Crete, Greece, September 15th-18th, 2024
M. Zoccali, A. Arena, P.Q. Tranchida, L.Mondello
 Low Solvent Consumption Online Liquid-Gas Chromatography-Tandem Mass Spectrometry for Polycyclic Aromatic Hydrocarbon Determination in Olive Oil
 Comunicazione Orale a Invito

- 1624** 25th Congress on Isoprenoids, Naples, Italy, September 18th-20th, 2024
Paola Dugo, Danilo Sciarrone, Luigi Mondello
 Innovative Chromatographic Methods for the Analysis of isoprenoids in Essential Oils
 Comunicazione Orale a Invito
- 1625** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Luigi Mondello
 Exploring the evolution from one- to five-dimensional separation techniques: A personal journey in advancing chromatography and hyphenated detection
 Comunicazione Orale a Invito
- 1626** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Danilo Sciarrone, Lorenzo Cucinotta, Francesca Cannizzaro, Luigi Mondello
 Multidimensional preparative gas chromatography as a sustainable analytical approach for the isolation of target analytes prior to biological assays
 Comunicazione Orale
- 1627** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
P. Donato, A. Satira, A. Mondello, F. Rigano, E. Trovato, I. Bonaccorsi, L. Mondello
 Green techniques and materials for vegetable oils profiling
 Comunicazione Orale
- 1628** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
 Katia Arena, Roberto Laganà Vinci, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Development of HILIC×RP-LC platforms for quali-quantitative screening of bioactive compounds in food and natural products
 Comunicazione Orale
- 1629** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Marina Russo, Giovanna Cafeo, Elisa Irrera, Antonella Satira, Luigi Mondello, Paola Dugo
 Method development and environmental assessment for quantitative analysis of oxygen heterocyclic compounds using chromatographic techniques
 Comunicazione Orale
- 1630** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Francesca Rigano, Roberta La Tella, Michael Ye, Patrik Appelblad, Paola Donato, Paola Dugo, Luigi Mondello
 Determination of parabens in cosmetic products by portable capillary liquid chromatography on porous graphitic carbon stationary phases
 Comunicazione Orale

- 1631** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Mariosimone Zoccali, Alessia Arena, Peter Q. Tranchida, Luigi Mondello
 Analysis of Polycyclic Aromatic Hydrocarbons in Food Using Cryogenic Zone Compression Gas Chromatography-Mass Spectrometry
 Comunicazione Orale
- 1632** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Domenica Mangraviti, Francesca Rigano, Cinzia Cafarella, Katia Arena, Paola Dugo, Luigi Mondello
 Fast Screening Method for Food and Natural products analyses by Solid-Phase-Microextraction–Transmission Mode (SPME-TM) and Direct Analysis in Real Time Mass Spectrometry (DART-MS)
 Comunicazione Orale
- 1633** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Giuseppe Micalizzi, Valentina Chiaia, Danilo Donnarumma, Anna Irto, Clemente Bretti, Marta Venuti, Gabriele Lando, Paola Cardiano, Luigi Mondello
 An ageing study on EVOO by GC and HPLC techniques coupled to mass spectrometry for discriminating olive oil lipid substances in archaeological artifacts
 Comunicazione Orale
- 1634** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Danilo Donnarumma, Alessia Arena, Emanuela Trovato, Francesca Rigano, Mariosimone Zoccali, Luigi Mondello
 A miniaturized method for the simultaneous analysis of vitamin D metabolites and total lipidome in human serum
 Comunicazione Orale
- 1635** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Antonio Ferracane, Danilo Donnarumma, Peter Q. Tranchida, Mariosimone Zoccali, Alessia Arena, Luigi Mondello
 Simplified Analytical Workflow for Contaminants Analysis in Olive Oil Using Low-Pressure Gas Chromatography
 Comunicazione Orale
- 1636** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Elisa Irrera, Giovanna Cafeo, Marina Russo, Luigi Mondello, Paola Dugo
 Miniaturised extraction procedure coupled with a rapid and eco-friendly chromatographic approach for the identification of oxygen heterocyclic compounds in foodstuffs
 Comunicazione Orale

- 1637** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Carmelo Coppolino, Tania Maria Grazia Salerno, Daniele Giuffrida, Paola Donato, Luigi Mondello
 Identification of hydrocarbon isomers by means of a novel dual parallel detection based on a GC-FTIR/MS approach
 Comunicazione Orale
- 1638** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Roberta La Tella, Francesca Rigano, Paola Donato, Patrick Appelblad, Michael Ye, Paola Dugo, Luigi Mondello
 Use of new carbon material as stationary phases in superheated water chromatography for the determination of preservatives in food and cosmetic products
 Comunicazione Orale
- 1639** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Alessia Arena, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 Liquid chromatography as a front-end sample preparation online coupled to gas chromatography-mass spectrometry for polycyclic aromatic hydrocarbons analysis in extra virgin olive oil
 Comunicazione Orale
- 1640** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Cinzia Cafarella, Aristeidis S. Tsagkaris, Francesca Rigano, Anna Louckova, Katia Arena, Paola Dugo, Jana Hajslova, Luigi Mondello
 Bioactive Content Identification through Liquid Chromatography High Resolution Mass Spectrometry and in vitro enzyme inhibitory effect of 19 Chili Pepper varieties
 Comunicazione Orale
- 1641** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Lorenzo Cucinotta, Carmelo Coppolino, Elisa Irrera, Paola Donato, Danilo Sciarrone, Luigi Mondello, Tania Maria Grazia Salerno
 Comprehensive characterization of Piper essential oils from Brazil by means of gas chromatography analysis and spectroscopic methods
 Comunicazione Orale
- 1642** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Francesca Cannizzaro, Lorenzo Cucinotta, Danilo Sciarrone, Giuseppe Micalizzi, Valentina Chiaia, Filippo Alibrando, Gabriele Branca, Pietro Maida, Paolo Oliveri, Luigi Mondello
 Characterization and tracing of *Cannabis sativa* L. essential oils through a comprehensive quali-quantitative, chiral and isotopic investigation
 Comunicazione Orale

- 1643** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Roberto Laganà Vinci, Katia Arena, Francesca Rigano, Francesco Cacciola, Paola Dugo, Luigi Mondello
 QSRR approach for identification of Phenolic compounds and evaluation of their retention behaviour under Reverse-Phase Liquid Chromatography
 Comunicazione Orale
- 1644** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Micaela Galletta, Mariosimone Zoccali, Peter Q. Tranchida, Luigi Mondello
 Use of flow-modulation comprehensive two-dimensional enantio-gas chromatography as valid and flexible alternative to heart-cutting multidimensional enantio-gas chromatography
 Comunicazione Orale
- 1645** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
 Analytical evaluation of phenols in olive oil by-products
Wadir M.V. Marchesiello, Micaela Galletta, Marina Russo, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Comunicazione Orale
- 1646** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Giovanna Cafeo, Giorgia Purcaro, Marina Russo, Marco Beccaria, Luigi Mondello, Paola Dugo
 Use of DES-microwave-assisted extraction with SPE clean-up to characterize oxygen heterocyclic compounds in Citrus-scented cosmetics by means of HPLC-PDA
 Comunicazione Orale
- 1647** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Federica Vento, Giuseppe Micalizzi, Tania M.G. Salerno, Emanuela Trovato, Luigi Mondello
 Determination of vitamin D level in biological fluids by using gas chromatography technique coupled to triple quadrupole mass spectrometry
 Comunicazione Poster
- 1648** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Antonella Satira, Alice Mondello, Paola Donato, Francesca Rigano, Emanuela Trovato, Ivana Bonaccorsi, Luigi Mondello
 A sustainable analytical approach for detecting extra virgin olive oil adulteration using subcritical fluid chromatography with UV detection
 Comunicazione Poster

- 1649** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Alessia Tropea, Angie Vanessa Caicedo Paz, Cassamo Ussemane Mussagy, Francesca Rigano, Daniele Giuffrida, Laurent Dufossè, Luigi Mondello
 Astaxanthin extraction from *Paracoccus carotinifaciens* biomass by an ultrasound assisted deep eutectic solvent-based approach
 Comunicazione Poster
- 1650** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Antonio Ferracane, Danilo Donnarumma, Luigi Mondello
 High-throughput sample preparation for the evaluation of 104 Pesticides in Hemp Inflorescence According to AOAC SMPR 2018.011
 Comunicazione Poster
- 1651** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Tania Maria Grazia Salerno, Carmelo Coppolino, Daniele Giuffrida, Paola Donato, Luigi Mondello
 Creation of a solid deposition GC-FTIR library for hydrocarbon isomers identification
 Comunicazione Poster
- 1652** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Katia Arena, Roberto Laganà Vinci, Francesco Cacciola, Paola Dugo, Luigi Mondello
 Scouting of separation strategies in comprehensive two-dimensional liquid chromatography for the in-depth metabolites characterization of complex food samples
 Comunicazione Poster
- 1653** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Emanuela Trovato, Tania M. G. Salerno, Giovanna Cafeo, Federica Vento, Mariosimone Zoccali, Paola Donato, Paola Dugo, Luigi Mondello
 Investigation of sensitizing molecules in hand hygiene gel products by hyphenated chromatography techniques
 Comunicazione Poster
- 1654** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Filippo Alibrando, Giuseppe Micalizzi, Luigi Mondello
 Nitrogen and Hydrogen as alternative carrier gases in GC-FID analysis of bergamot essential oil
 Comunicazione Poster

- 1655** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Emanuela Trovato, Danilo Donnarumma, Domenica Mangraviti, Giuseppe Arcoleo, Giulia Casini, Cosimo Manzo, Paola Dugo, Luigi Mondello
 Ionic liquids extraction of nucleic acids in complex matrices for detection by loop-mediated isothermal amplification
 Comunicazione Poster
- 1656** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Silvana Filieri, Giuseppe Micalizzi, Morena Miciaccia, Danilo Donnarumma, Olga Maria Baldelli, Anselma Liturri, Domenico Armenise, Luigi Leonardo Palese, Maria Grazia Perrone, Savina Ferorelli, Luigi Mondello, Paola Dugo, Antonio Scilimati, Anna Maria Sardanelli
 Lipid profile alteration in diffuse intrinsic pontine glioma cells by drug-candidates ONC201 and THX6
 Comunicazione Poster
- 1657** 28th International Symposium on Separation Sciences (ISSS 2024), Messina, Italy, September 22th-25th, 2024
Alice Mondello, Antonella Satira, Paola Donato, Francesca Rigano, Emanuela Trovato, Ivana Bonaccorsi, Luigi Mondello
 Green analytical techniques and materials for assessing coconut oil quality and authenticity by subcritical fluid chromatography
 Comunicazione Poster
- 1658** 3rd edition Italian School in Food Chemistry for PhD student, Pavia, Italy, October 2nd-4th 2024
Paola Dugo, Francesca Rigano, Luigi Mondello
 Lipidomic analysis in food
 Comunicazione Orale a Invito
- 1659** 3rd edition Italian School in Food Chemistry for PhD student, Pavia, Italy, October 2nd-4th 2024
 Elisa Irrera, Giovanna Cafeo, Marina Russo, Luigi Mondello, Paola Dugo
 Development of a sustainable miniaturised extraction procedure coupled with liquid chromatography for the identification of oxygen heterocyclic compounds in cinnamon- and citrus-flavoured foods
 Comunicazione Orale
- 1660** 20th International workshops on LC-MS/MS in environmental analysis and food safety, Barcelona, Spain, October 7th-8th, 2024
Luigi Mondello, Mariosimone Zoccali
 Use of advanced analytical techniques coupled to mass spectrometry to greening analytical methods for food safety
 Comunicazione Orale a Invito

- 1661** 19th Meeting of the European Association of Neuro-Oncology, Glasgow, United Kingdom, October 17th-20th, 2024
M. Caffo, F. Rigano, D. Mangraviti, G. Caruso, F. F. Angileri, A. Germanò, V. Barresi, L. Mondello
 A insight into lipidomic profile of brain tumors: determination of lipid markers for discrimination of brain tumors tissues through rapid evaporative ionization mass spectrometry
 Comunicazione Poster
- 1662** 6th International Conference Rare Earth Materials Advances in Synthesis, Studies and Applications, Vilnius, Lithuania, October 20th-23rd, 2024
Rosina C. Ponterio, Dario Giuffrida, Alessia Tropea, Luigi Mondello, Donatella Spadaro
 Microorganisms as Promising Biotechnological Candidates for Rare Earth Elements Recovery
 Comunicazione Poster
- 1663** 73rd SINCH, Congresso Nazionale della Società Italiana di Neuro-chirurgia, Bari, Italy, October 23th-26th, 2024
M. Caffo, F. Rigano, D. Mangraviti, G. Caruso, R. Laera, A.F. Germanò, L. Mondello, F.F. Angileri
 Ruolo della tecnica REIMS (spettrometria di massa a rapida ionizzazione evaporativa) nella diagnosi e nella caratterizzazione metabolomica dei tumori cerebrali
 Comunicazione Orale
- 1664** 11th International Symposium on Recent Advances in Food Analysis (RAFA 2024), Prague, Czech Republic, November 5-8, 2024
Francesca Rigano, Katia Arena, Roberto Laganà Vinci, Roberta La Tella, Paola Dugo, Luigi Mondello
 Profiling of phenolic compounds in herbs and spices by a sustainable extraction combined with a miniaturized LC method.
 Comunicazione Orale
- 1665** 11th International Symposium on Recent Advances in Food Analysis (RAFA 2024), Prague, Czech Republic, November 5-8, 2024
R. Laganà Vinci, K. Arena, F. Cacciola, P. Dugo, L. Mondello
 Investigation of different separation strategies in comprehensive two-dimensional liquid chromatography for characterization of secondary metabolites in complex food matrices
 Comunicazione Orale
- 1666** 11th International Symposium on Recent Advances in Food Analysis (RAFA 2024), Prague, Czech Republic, November 5-8, 2024
Cinzia Cafarella, Aristeidis S. Tsagkaris, Francesca Rigano, Anna Louckova, Katia Arena, Paola Dugo, Luigi Mondello, Jana Hajslova
 Determination of bioactive compounds in 19 Italian varieties of Chili peppers by means of Liquid Chromatography High Resolution Mass Spectrometry and in vitro enzyme inhibitory effect
 Comunicazione Orale

- 1667** SFC User Meeting 2024, Molndal, Sweden, November 6-7, 2024
Paola Donato, Luigi Mondello
 Greener analytical methods for the determination of nutraceuticals and quality assessment
 Comunicazione Orale
- 1668** Incontri di Scienza delle Separazioni, Bari, Italy, November 7-8, 2024
Lorenzo Cucinotta, Francesca Cannizzaro, Danilo Sciarrone, Luigi Mondello
 Preparative gas chromatography for the isolation of target fractions from essential oils prior to biological assays
 Comunicazione Orale
- 1669** Incontri di Scienza delle Separazioni, Bari, Italy, November 7-8, 2024
Carmelo Coppolino, Emanuela Trovato, Tania M.G. Salerno, Lorenzo Cucinotta, Danilo Sciarrone, Paola Donato, Luigi Mondello
 Definitive hydrocarbon isomers identification by means of a parallel coupling of gas chromatography with mass spectrometry and solid deposition Fourier transform infrared spectroscopy
 Comunicazione Orale
- 1670** Incontri di Scienza delle Separazioni, Bari, Italy, November 7-8, 2024
Silvana Filieri, Giuseppe Micalizzi, Morena Miciacci, Danilo Donnarumma, Olga Maria Baldelli, Anselma Liturri, Domenico Armenise, Luigi Leonardo Palese, Maria Grazia Perrone, Savina Ferorelli, Luigi Mondello, Paola Dugo, Antonio Scilimati, Anna Maria Sardanelli
 Effect of drug-candidates ONC201 and THX6 on the lipid profile in diffuse intrinsic pontine glioma cells
 Comunicazione Orale
- 1671** Incontri di Scienza delle Separazioni, Bari, Italy, November 7-8, 2024
W.M.V. Marchesiello, C. Coppolino, M. Galletta, M. Russo, F. Cacciola, M. Quinto, P. Dugo, L. Mondello
 Comprehensive assessment of phenolic compounds in olive oil by-products
 Comunicazione Orale
- 1672** Incontri di Scienza delle Separazioni, Bari, Italy, November 7-8, 2024
Giovanna Cafeo, Giorgia Purcaro, Marina Russo, Marco Beccaria, Luigi Mondello, Paola Dugo
 Microwave-assisted extraction of oxygen heterocyclic compounds from Citrus-scented creams using a deep eutectic solvent and their determination by HPLC-PDA
 Comunicazione Orale
- 1673** Incontri di Scienza delle Separazioni, Bari, Italy, November 7-8, 2024
Francesca Cannizzaro, Lorenzo Cucinotta, Giuseppe Micalizzi, Valentina Chiaia, Paola Cardiano, Danilo Sciarrone, Luigi Mondello
 Gas Chromatographic Analyses of Lipid Residues in Pottery Sherds from the Bobinac-Kozerina Cave: Insights into Ancient Dietary Practices
 Comunicazione Orale

- 1674** Incontri di Scienza delle Separazioni, Bari, Italy, November 7-8, 2024
Elisa Irrera, Giovanna Cafeo, Marina Russo, Luigi Mondello, Paola Dugo
 Miniaturized Solid-Liquid Extraction Procedure Coupled with High Performance Liquid Chromatography-Tandem Mass Spectrometry for the Determination of Coumarins, Furocoumarins and Polymethoxyflavones in Foodstuffs
 Comunicazione Orale
- 1675** Incontri di Scienza delle Separazioni, Bari, Italy, November 7-8, 2024
Carmelo Coppolino, Micaela Galletta, Wadir M.V. Marchisiello, Marina Russo, Francesco Cacciola, Paola Dugo, Luigi Mondello
 HPLC-PDA/MS characterization of phenolic compounds in olive leaves in three different *Olea europaea* cultivars
 Comunicazione Poster
- 1676** Congresso Congiunto delle Sezioni Sicilia e Calabria 2024 della Società Chimica Italiana (SciSiCa2024), Messina, Italy, December 2-3, 2024
M. Zoccali, A. Arena, P.Q. Tranchida, L. Mondello
 The usefulness of the cryogenic zone compression gas chromatography-mass spectrometry approach for analysis of polycyclic aromatic hydrocarbons in food
 Comunicazione Orale
- 1677** Congresso Congiunto delle Sezioni Sicilia e Calabria 2024 della Società Chimica Italiana (SciSiCa2024), Messina, Italy, December 2-3, 2024
F. Rigano, D. Mangraviti, P. Dugo, L. Mondello
 Coupling of an electrosurgical knife with direct Mass Spectrometry for the Rapid Discrimination of Tumors Based on Lipidomic Profile
 Comunicazione Poster
- 1678** Congresso Congiunto delle Sezioni Sicilia e Calabria 2024 della Società Chimica Italiana (SciSiCa2024), Messina, Italy, December 2-3, 2024
G. Cafeo, M. Russo, P. Dugo, L. Mondello
 Development of eco-friendly chromatographic methods to determine oxygen heterocyclic compounds in food and cosmetic products scented with Citrus
 Comunicazione Poster
- 1679** Congresso Congiunto delle Sezioni Sicilia e Calabria 2024 della Società Chimica Italiana (SciSiCa2024), Messina, Italy, December 2-3, 2024
D. Spadaro, A. Tropea, S. Trocino, I. Citro, D. Giuffrida L. Dufossé, G. Calogero, L. Mondello
 New photovoltaic device based on natural microbial pigments co-sensitization
 Comunicazione Poster
- 1680** 16th Multidimensional Chromatography (MDC), Liege, Belgium. February 2-5, 2025
N. Manousi, A. Ferracane, N. P. Kalogiouri, L. Mondello, E. Rosenberg
 Elucidation of the volatile profile of wild garlic by comprehensive two-dimensional gas chromatography-mass spectrometry and solid-phase microextraction
 Comunicazione Poster

- 1681** Austrian Summit on Natural Products, Seefeld, Tyrol, Austria March 16-19, 2025
Luigi Mondello
Advanced analysis of lipids in food using multidimensional comprehensive chromatography approaches
Comunicazione Orale a Invito
- 1682** Austrian Summit on Natural Products, Seefeld, Tyrol, Austria March 16-19, 2025
Paola Dugo, Katia Arena, Roberto Laganà Vinci, Luigi Mondello
Chemical characterization of *Rhus Coriaria* extracts using advanced analytical techniques
Comunicazione Orale a Invito
- 1683** 2° Congresso intersocietà sui prodotti vegetali per la salute. Il ruolo delle piante medicinali nella medicina moderna, Napoli, Italy, 10-12 Aprile, 2025
Galletta B, Miceli N, Mondello F, Davì F, Cacciola F, Laganà Vinci R, Mondello L, Nostro A, Taviano MF
Erucastrum virgatum subsp. *virgatum* (Brassicaceae) endemic to Sicily (Italy) as a new potential source of health-promoting phytochemicals: phenolic content and biological properties of leaf extracts.
Comunicazione poster
- 1684** 5th International Conference on Food Bioactives & Health, June 3-5, 2025, Marseille, France
Alessia Tropea, Daniele Giuffrida, Francesca Rigano, Roberta La Tella, Cassamo Mussagy, Soo Kim Beom, Laurent Dufosse, Luigi Mondello
Microbial Carotenoids production as food supplement
Comunicazione poster
- 1685** XXIII EUROFOODCHEM, June 11-13, 2025, Bratislava, Slovakia
Paola Dugo, Francesca Rigano, Luigi Mondello
Metabolomic profile of food and natural products through ambient mass spectrometry techniques
Comunicazione Orale a Invito
- 1686** XXIII EUROFOODCHEM, June 11-13, 2025, Bratislava, Slovakia
Francesco Cacciola, Marina Russo, Katia Arena, Paola Dugo Luigi Mondello
Comprehensive Two-dimensional Liquid Chromatography for the Characterization of the Phenolic Content in Extra Virgin Olive Oil and its By-products
Comunicazione Orale
- 1687** 54th International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC 2025), June 15-19, 2025, Bruges, Belgium
P. Dugo, K. Arena, R. Laganà Vinci, F. Cacciola, L. Mondello
Multidimensional liquid chromatography strategies for the analysis of natural products
Comunicazione Orale a Invito

- 1688** 54th International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC 2025), June 15-19, 2025, Bruges, Belgium
Francesca Rigano, Luigi Mondello
Theoretical and practical aspects of miniaturization in Liquid Chromatography
Comunicazione Orale a Invito
- 1689** 54th International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC 2025), June 15-19, 2025, Bruges, Belgium
C.Coppolino, F. Cacciola, M. Russo, P. Dugo, L. Mondello
Isolation of phenolic compounds from olive pomace by means of preparative HPLC
Comunicazione Poster
- 1690** Convegno di Chimica Analitica Forense 2025, 26-27 giugno 2025, Torino, Italy
T.M.G. Salerno, Paola Donato, Emanuela Trovato, L. Mondello
Il contributo della Spettroscopia Infrarossa accoppiata alla Cromatografia nelle Indagini Forensi
Comunicazione Orale

Luigi Mondello's Patents list

1. Metodo e apparecchiatura per cromatografia a separazione multidimensionale completa con micro modulatore a flusso bilanciato. IT1400072B1. 17/05/2013. Luigi Mondello. Granted.
2. Method and Instrumentation for Comprehensive Multidimensional Chromatography Separations using a Micro Flow Modulator. US 9067167 B2. 30/06/2015. Luigi Mondello. Granted.
3. Method and instrumentation for comprehensive multidimensional chromatography separations using a micro flow modulator. EP2577287B1. 09/05/2018. Luigi Mondello. Granted.
4. Fremgangsmåde og instrumenter til at udføre Multidimensionelle kromatografiske separationer ved anvendelse af en mikrostrømningsmodulator. DK2577287T3. 13/08/2018. Luigi Mondello. Granted.
5. Method and instrumentation for comprehensive multidimensional chromatography separations using a micro flow modulator. ES3041904 T3. 17/11/2025. Luigi Mondello. Granted.
6. Method and instrumentation for comprehensive multidimensional chromatography separations using a micro flow modulator. EP3376221A1. 19/09/2018. Luigi Mondello. Granted.
7. Método e instrumentación para separaciones por cromatografía multidimensional integral mediante un modulador de microflujo. ES2683031T3. 24/09/2018. Luigi Mondello. Granted.
8. Method and instrumentation for comprehensive multidimensional chromatography separations using a micro flow modulator. TR201811105T4. 27/09/2018. Luigi Mondello. Granted.
9. Method and instrumentation for comprehensive multidimensional chromatography separations using a micro flow modulator. PL2577287T3. 31/12/2018. Luigi Mondello. Granted.
10. Method and instrumentation for comprehensive multidimensional chromatography separations using a micro flow modulator. HUE039548T2. 28/01/2019. Luigi Mondello. Granted.
11. Method and instrumentation for comprehensive multidimensional chromatography separations using a micro flow modulator. PT2577287T. 28/09/2018. Luigi Mondello. Granted.
12. Identificazione di molecole incognite tramite l'utilizzo di Indici di Ritenzione in Cromatografia Liquida, Subcritica e Supercritica. IT102016000111757. 07/05/2018. Chromaleont Srl. Francesca Rigano, Luigi Mondello. Granted.
13. Identification of unknown compounds by using a novel Retention Index system in Liquid Chromatography. WO2018083334A1. 11/05/2018. Francesca Rigano, Luigi Mondello. Granted.
14. 通过在液相色谱中使用新型保留指数系统鉴定未知化合物. CN109997040B. 02/08/2022. Francesca Rigano, Luigi Mondello. Granted.
15. Identification of unknown compounds by using a novel Retention Index system in Liquid Chromatography. EP3535579A1. 11/09/2019. Francesca Rigano, Luigi Mondello. Granted.
16. 液体クロマトグラフィーにおける新規保持指数システムを用いた未知化合物の同定. JP2019536063A. 12/12/2019. Francesca Rigano, Luigi Mondello. Granted.
17. Identification of unknown compounds by using a novel Retention Index system in Liquid Chromatography. US11573214 B2. 07/02/2023. Francesca Rigano, Luigi Mondello. Granted.
18. Identification of unknown compounds by using a novel retention index system in liquid chromatography. HK40010168 B. 20/01/2023. Francesca Rigano, Luigi Mondello. Granted.
19. An improved analytical apparatus. WO2022091021A1. 05/05/2022. Umberto Saini Fasanotti, Luigi Mondello, Paola Agata Eustochia, Tania Maria Grazia Salerno. Pending.
20. An improved analytical apparatus. CA3196667 A1. 05/05/2022. Umberto Saini Fasanotti, Luigi Mondello, Paola Agata Eustochia, Tania Maria Grazia Salerno. Pending.
21. An improved analytical apparatus. EP4260046 A1. 18/10/2023. Umberto Saini Fasanotti, Luigi Mondello, Paola Agata Eustochia, Tania Maria Grazia Salerno. Pending.
22. Analytical apparatus. US20230417713 A1. 28/12/2023. Umberto Saini Fasanotti, Luigi Mondello, Paola Agata Eustochia, Tania Maria Grazia Salerno. Pending.

23. Metodo per l'estrazione di policosanoli da canapa industriale e relativa miscela. IT202100020228A1. Anna Laura Capriotti, Chiara Cavaliere, Andrea Cerrato, Aldo Laganà, Giuseppe Micalizzi, Luigi Mondello, Carmela Maria Montone, Susy Piovesana. Granted.
24. Method for the Extraction of Policosanol from Industrial Hemp and Mixtute thereof. PCT/EP2022/070579 WO 2023/006593. Anna Laura Capriotti, Chiara Cavaliere, Andrea Cerrato, Aldo Laganà, Giuseppe Micalizzi, Luigi Mondello, Carmela Maria Montone, Susy Piovesana. Granted.
25. Method for the Extraction of Policosanol from Industrial Hemp and Mixtute thereof. US20240336548A1. Anna Laura Capriotti, Chiara Cavaliere, Andrea Cerrato, Aldo Laganà, Giuseppe Micalizzi, Luigi Mondello, Carmela Maria Montone, Susy Piovesana. Granted.
26. Methods for extracting policosanol from industrial hemp and mixtures thereof. CN117642374A. Anna Laura Capriotti, Chiara Cavaliere, Andrea Cerrato, Aldo Laganà, Giuseppe Micalizzi, Luigi Mondello, Carmela Maria Montone, Susy Piovesana. Granted.
27. Method for the extraction of policosanols from industrial hemp and mixture thereof. EP4377283 B8. 08/10/2025. Anna Laura Capriotti, Chiara Cavaliere, Andrea Cerrato, Aldo Laganà, Giuseppe Micalizzi, Luigi Mondello, Carmela Maria Montone, Susy Piovesana. Granted.
28. Composition comprising not phosphorylated tryptamine, antioxidant selected between carotenoids and supplements, and pharmaceutical uses thereof. IT102022000020892. 15/01/2025. Cacciotti Ilaria, Cuzzocrea Salvatore, Mondello Luigi, Notti Anna, Santi Luca, Tropea Alessia, Santi Luca. Granted.
29. Composition comprising not phosphorylated tryptamine, antioxidant selected between carotenoids and supplements, and pharmaceutical uses thereof. WO2024/079645 A1. 18/04/2024. Cacciotti Ilaria, Cuzzocrea Salvatore, Mondello Luigi, Notti Anna, Santi Luca, Tropea Alessia, Santi Luca. Pending.
30. Composition comprising not phosphorylated tryptamine, antioxidant selected between carotenoids and supplements, and pharmaceutical uses thereof. CA3270231 A1. 18/04/2024. Cacciotti Ilaria, Cuzzocrea Salvatore, Mondello Luigi, Notti Anna, Santi Luca, Tropea Alessia, Santi Luca. Pending.
31. Composition comprising not phosphorylated tryptamine, antioxidant selected between carotenoids and supplements, and pharmaceutical uses thereof. EP4601627 A1. 20/08/2025. Cacciotti Ilaria, Cuzzocrea Salvatore, Mondello Luigi, Notti Anna, Santi Luca, Tropea Alessia, Santi Luca. Pending.
32. Composition comprising tryptamines and MAOIs compounds selected from β -carboline inhibitors, and pharmaceutical uses thereof. IT102022000020895. 15/01/2025. Cacciotti Ilaria, Cuzzocrea Salvatore, Mondello Luigi, Notti Anna, Santi Luca, Santi Luca. Granted.
33. Composition comprising tryptamines and MAOIs compounds selected from β -carboline inhibitors, and pharmaceutical uses thereof. WO2024/079647 A1. 18/04/2024. Cacciotti Ilaria, Cuzzocrea Salvatore, Mondello Luigi, Notti Anna, Santi Luca, Santi Luca. Pending.
34. Composition comprising tryptamines and MAOIs compounds selected from β -carboline inhibitors, and pharmaceutical uses thereof. CA3270246 A1. 18/04/2024. Cacciotti Ilaria, Cuzzocrea Salvatore, Mondello Luigi, Notti Anna, Santi Luca, Santi Luca. Pending.
35. Composition comprising tryptamines and MAOIs compounds selected from β -carboline inhibitors, and pharmaceutical uses thereof. EP4601665 A1. 20/08/2025. Cacciotti Ilaria, Cuzzocrea Salvatore, Mondello Luigi, Notti Anna, Santi Luca, Santi Luca. Pending.
36. Delivery system for the controlled release of psychedelic compound, pharmaceutical composition and uses thereof. IT102022000020898. 15/01/2025. Cacciotti Ilaria, Cuzzocrea Salvatore, Mondello Luigi, Notti Anna, Santi Luca, Santi Luca. Granted.
37. Delivery system for the controlled release of psychedelic compound, pharmaceutical composition and uses thereof. WO2024/079648 A1. 18/04/2024. Cacciotti Ilaria, Cuzzocrea Salvatore, Mondello Luigi, Notti Anna, Santi Luca, Santi Luca. Pending.

38. Delivery system for the controlled release of psychedelic compound, pharmaceutical composition and uses thereof. CA3270252 A1. 18/04/2024. Cacciotti Ilaria, Cuzzocrea Salvatore, Mondello Luigi, Notti Anna, Santi Luca, Santi Luca. Pending.
39. Delivery system for the controlled release of psychedelic compound, pharmaceutical composition and uses thereof. EP4601655 A1. 20/08/2025. Cacciotti Ilaria, Cuzzocrea Salvatore, Mondello Luigi, Notti Anna, Santi Luca, Santi Luca. Pending.
40. Non-hallucinogenic tryptamine compounds, preparation, pharmaceutical compositions and uses thereof. IT0102022000026703. 18/03/2025. Cacciotti Ilaria, Cuzzocrea Salvatore, Mondello Luigi, Notti Anna, Santi Luca, Santi Luca. Granted.
41. Non-hallucinogenic tryptamine compounds, preparation, pharmaceutical compositions and uses thereof. WO2024/134619 A1. 27/06/2024. Cacciotti Ilaria, Cuzzocrea Salvatore, Mondello Luigi, Notti Anna, Santi Luca, Santi Luca. Pending.
42. Non-hallucinogenic tryptamine compounds, preparation, pharmaceutical compositions and uses thereof. CA3270259 A1. 27/06/2024. Cacciotti Ilaria, Cuzzocrea Salvatore, Mondello Luigi, Notti Anna, Santi Luca, Santi Luca. Pending.
43. Non-hallucinogenic tryptamine compounds, preparation, pharmaceutical compositions and uses thereof. EP4638419 A1. 29/10/2025. Cacciotti Ilaria, Cuzzocrea Salvatore, Mondello Luigi, Notti Anna, Santi Luca, Santi Luca. Pending.
44. Metodo per l'identificazione di composti incogniti in cromatografia liquida attraverso una serie omologa di riferimento composta da trigliceridi. 102025000033007. 12/12/2025. Rigano Francesca, Mondello Luigi. Pending.
45. SUPPORTO INORGANICO PER IL CAMPIONAMENTO DI FLUIDI BIOLOGICI. 102025000031138. 26/11/2025. Micalizzi Giuseppe, Mondello Luigi. Pending.