Conference Participations

1) 17th Symposium on Separation Sciences, Cluj-Napoca, Romania, September 5-9, 2011.
   Use of High Pressure Liquid Chromatography Capabilities for Applications in Food Area
   F. Cacciola, P. Donato, P. Dugo, L. Mondello
   Invited oral communication

   Ultra Fast Separation and High Resolution Capabilities (LCxLC-IT-TOF) for Natural Products Applications.
   P. Donato, F. Cacciola, P. Dugo, L. Mondello
   Oral communication

3) RDPA 2011, Recent Developments in Pharmaceutical Analysis, 14th International Meeting, September 21-24, 2011, Pavia, Italy.
   Multidimensional liquid chromatography in combination to mass spectrometry for the analysis of natural products
   P. Dugo, P. Donato, F. Cacciola, L. Mondello
   Oral communication

4) RDPA 2011, Recent Developments in Pharmaceutical Analysis, 14th International Meeting, Pavia, Italy, September 21-24, 2011.
   Online comprehensive 2D LC/MS for proteomic analysis.
   E. Sommella, F. Cacciola, P. Donato, P. Campiglia, E. Novellino, L. Mondello, P. Dugo
   Poster communication

   Characterization of the triacylglycerol fraction of Salame S. Angelo PGI by means of HPLC-APCI/MS.
   B. Chiofalo, P. Dugo, A. Prandini, F. Cacciola, N. Fawzy, P. Donato, C. Panetta, F. Lo Coco, S. Simonella, L. Mondello
   Poster communication

   Solid Phase Microextraction-Comprehensive Gas Chromatography with very fast Quadrupole Mass Spectrometry for the Analysis of water pesticides.
   G. Purcaro, F. Franchina, P.Q. Tranchida, P. Dugo, R. Costa, L. Mondello
   Poster communication

7) 37th International Symposium on High Performance Liquid Phase Separations and Related Techniques (HPLC 2011 Dalian), Dalian, China, October 8-11, 2011.
   P. Dugo, P. Donato, F. Cacciola, L. Mondello
   Tutorial lecture

8) 37th International Symposium on High Performance Liquid Phase Separations and
Related Techniques (HPLC 2011 Dalian), Dalian, China, October 8-11, 2011.
On-line capillary scale comprehensive 2D-LC system for the analysis of proteome samples.
P. Donato, E. Sommella, F. Cacciola, L. Mondello, P. Dugo
Poster communication

Employment of Comprehensive Two-Dimensional Liquid Chromatography in Combination with Mass Spectrometry for the Analysis of Complex Samples.
P. Dugo, P. Donato, F. Cacciola, L. Mondello
Oral communication

10) 5th International Symposium on Recent Advances in Food Analysis, Prague, Czech republic November 1-4, 2011.
Exploiting high pressure conditions in comprehensive two-dimensional liquid chromatography as a novel approach in food analysis.
F. Cacciola, P. Donato, G. Torre, D. Giuffrida, P. Dugo, L. Mondello
Oral communication

Sviluppo di un sistema multidimensionale nella modalità comprehensive LCxLC per l’analisi di campioni proteoma.
E. Sommella, F. Cacciola, P. Donato, P. Dugo, L. Mondello
Oral communication

Mass spectrometric elucidation of carotenoids in chili red peppers using ultra high pressure comprehensive two-dimensional liquid chromatography.
M. Mreyen; F. Cacciola; P. Donato; D. Giuffrida; G. Torre; P. Dugo; L. Mondello.
Poster communication

Analysis of Triacylglycerols in Brevoortia tyrannus (Menhaden) Oil by Non-aqueous reversed Phase Liquid Chromatography in Combination with Mass Spectrometry.
C. T. Santasania; M. Beccaria; F. Cacciola; P. Donato; P. Dugo; L. Mondello
Poster communication

14) 36th ISCC and 9th GCxGC Symposium, Riva del Garda, Italy, May 27 – June 1, 2012.
Continuous and Stop-Flow Approaches in Comprehensive Two Dimensional Liquid Chromatography
P. Dugo, P. Donato, F. Cacciola, L. Mondello
Oral communication

15) 36th ISCC and 9th GCxGC Symposium, Riva del Garda, Italy, May 27 – June 1, 2012.
Liquid chromatography in combination with mass spectrometry for lipid analysis.
P. Dugo, P. Donato, F. Cacciola, L. Mondello
Oral communication

16) 36th ISCC and 9th GCxGC Symposium, Riva del Garda, Italy, May 27 – June 1, 2012.
Enhanced Collection Of Volatile Components By Using A Triple Deans Switch Tridimensional Preparative Capillary Gas Chromatographic System
D. Sciarrone, S. Pantò, P. Dugo, G. Dugo, L. Mondello
Oral communication

17) 36th ISCC and 9th GCxGC Symposium, Riva del Garda, Italy, May 27 – June 1, 2012.
Highly Efficient Collection Of Oxygenated Sesquiterpenes By Means Of A Triple Deans Switch Tridimensional Preparative Capillary Gas Chromatographic System.
S. Pantò, D. Sciarrone, P. Dugo, G. Dugo, L. Mondello
Poster communication

18) 36th ISCC and 9th GCxGC Symposium, Riva del Garda, Italy, May 27 – June 1, 2012.
On-Line Capillary Scale Comprehensive Two Dimensional Liquid Chromatography System For The Analysis Of Proteome Samples.
E. Sommella, F. Cacciola, P. Donato, P. Dugo, P. Campiglia, L. Mondello
Poster communication

19) 36th ISCC and 9th GCxGC Symposium, Riva del Garda, Italy, May 27 – June 1, 2012.
Implementing On-Line Comprehensive NP-LCxRP-UHPLC Technology For Improved Identification Of A Complex Foodstuff By Mass Spectrometry.
P. Donato, F. Cacciola, G. Torre, P. Dugo, L. Mondello
Poster communication

20) 36th ISCC and 9th GCxGC Symposium, Riva del Garda, Italy, May 27 – June 1, 2012.
L. Schipilliti, I. Bonaccorsi, D. Sciarrone, L. Dugo, P. Dugo, L. Mondello, G. Dugo
Poster communication

Mass spectrometric elucidation of carotenoids in chili red peppers using ultra high pressure comprehensive two-dimensional liquid chromatography.
M. Mreyen, F. Cacciola, P. Donato, D. Giuffrida, G. Torre, P. Dugo, L. Mondello
Poster communication

Analysis of triacylglycerols in Brevoortia tyrannus (menhaden) oil by non-aqueous reversed phase liquid chromatography in combination with mass spectrometry.
M. Beccaria, E. Sommella, N. Fawzy, F. Cacciola, P. Donato, P.Q. Tranchida, G. Dugo, P. Dugo, L. Mondello
Poster communication

Mass spectrometric elucidation of carotenoids in complex foodstuff using ultra high pressure comprehensive two-dimensional liquid chromatography.
P. Donato, F. Cacciola, G. Torre, P. Dugo, L. Mondello
Oral communication

New trends in comprehensive two-dimensional liquid chromatography in combination with mass spectrometry for the analysis of real-world samples.
L. Mondello, P. Donato, F. Cacciola, P. Dugo
Oral communication
Exploiting the alternative selectivity of a novel medium-polar ionic liquid stationary phase in the gas chromatographic analysis of essential oils.
C. Ragonese, D. Sciarrone, E. Grasso, P. Dugo, L. Mondello
Poster communication

Advanced liquid chromatography techniques for analysis of food lipids
F. Cacciola, P. Donato, P. Dugo, L. Mondello
Invited oral communication

Comprehensive liquid chromatography – mass spectrometry technologies in food analysis
F. Cacciola, P. Donato, P. Dugo, L. Mondello
Short course lecture

Mass spectrometric elucidation of carotenoids in chili red peppers using ultra high pressure comprehensive two-dimensional liquid chromatography
M. Mreyen, F. Cacciola, P. Donato, D. Giuffrida, G. Torre, P. Dugo, L. Mondello
Poster communication

Determination of phospholipids in milk samples by means of hydrophilic interaction liquid chromatography coupled to evaporative light scattering and mass spectrometry detection.
P. Donato, F. Cacciola, F. Cichello, M. Russo, P. Dugo, L. Mondello
Poster communication

Comprehensive Two-dimensional Liquid Chromatography Combined with Mass Spectrometric Detection for Phospholipid Analysis
N. Fawzy, F. Cacciola, P. Donato, F. Cichello, P. Dugo, L. Mondello
Poster communication

Preparative gas chromatography as a powerful extraction tool for the isolation of highly pure components from complex matrices.
S. Pantò, D. Sciarrone, C. Ragonese, L. Tedone, P. Q. Tranchida, P. Dugo, L. Mondello
Oral communication

Isolation of an unknown compound from the essential oil of Clausena lansium (Rutaceae) by means of a tridimensional preparative capillary gas chromatographic
system.
L. Tedone, S. Pantò, D. Sciarrone, A. Rotondo, P. Dugo, L. Mondello.
Poster communication

Simultaneous Determination Of Oxygenated Compounds And BTEX In Gasoline By Means Of Multidimensional GC Coupled To MS
D. Sciarrone, C. Ragonese, P. Q. Tranchida, L. Mondello
Poster communication

Simultaneous Sample Preparation And Characterization Of Biodiesel Blend Fames Exploiting An Ionic Liquid Gas Chromatographic Stationary Phase.
C. Ragonese, P. Q. Tranchida, D. Sciarrone, L. Mondello
Poster communication

Advanced analytical Techniques for characterization of bio-active molecules in complex real-world samples.
F. Cacciola, L. Mondello
Oral communication

36) 37th International Symposium on Capillary Chromatography, and 10th GCxGC Symposium, Palm Springs, USA, May 12-16, 2013.
High Peak Capacity Separations of Biologically-Important Molecules by Using 2DLCxUHPLC
P. Donato, F. Cacciola, P. Dugo, L. Mondello
Invited oral communication

37) 37th International Symposium on Capillary Chromatography, and 10th GCxGC Symposium, Palm Springs, USA, May 12-16, 2013.
Continuous vs. Stop-Flow Online Approaches for Comprehensive Two-dimensional Liquid Chromatography of Lipids.
P. Donato, N. Fawzy, F. Cacciola, M. Beccarla, L. Mondello
Poster oral communication

38) 3rd European Lipidomics Meeting, Pardubice, Czech Republic, July 2-4, 2013.
Development of a comprehensive two-dimensional liquid chromatography system combined with mass spectrometry detection for phospholipid analysis.
F. Cacciola, P. Donato, N. Fawzy, P. Dugo, L. Mondello
Oral communication

39) 3rd European Lipidomics Meeting, Pardubice, Czech Republic, July 2-4, 2013.
Detailed analysis of the saponifiable and unsaponifiable fractions of animal and vegetable lipids by using comprehensive 2D GC.
P. Q. Tranchida, S. Salivo, I. Bonaccorsi, A. Cotroneo, F. Cacciola, P. Dugo, L. Mondello
Poster communication

Advanced liquid chromatography techniques for the screening of lipid molecules in food.
F. Cacciola, P. Donato, M. Beccaria, P. Dugo, A. Cotroneo, L. Mondello
Oral communication

41) 19th International Symposium on Separation Sciences, Poreč, Croatia, September 25-28 2013.
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
Poster communication

LCxLC-IT-TOF: applicazioni in campo alimentare.
F. Cacciola, P. Donato, P. Dugo, L. Mondello
Oral communication

Liquid Chromatography and Mass Spectrometry: a powerful tool for lipid analysis.
L. Mondello, P. Donato, M. Beccaria, F. Cacciola, P. Dugo
Invited oral communication

Emerging analytical strategies for the characterization of food bioactives.
P. Dugo, F. Cacciola, P. Donato, J. Soukup, P. Jandera, L. Mondello
Invited oral communication

45) 3rd MS Food Day, Trento, Italy, October 9-11, 2013.
Elucidation of the triacylglycerol fraction of menhaden fish oil by using ultra high-pressure NARP-LC/IT-TOF.
P. Donato, I. Bonaccorsi, M. Beccaria, F. Cacciola, G. Sullini, A. Cotroneo, P. Dugo, L. Mondello
Oral communication

Sviluppo di tecniche cromatografiche bidimensionali (2D LC/PDA/MS) per l’analisi di matrici complesse: hardware, software ed applicazioni scelte
P. Donato, F. Cacciola, P. Dugo, L. Mondello
Oral communication

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
Poster communication

Development and application of a comprehensive liquid chromatography method coupled to photo-diode array and mass spectrometry detection.
P. Donato, F. Cacciola, P. Dugo, L. Mondello
Oral communication
Sviluppo di metodiche analitiche avanzate per analisi di triacilgliceroli in campioni complessi (oli di pesce)
G. Sullini, M. Beccaria, P. Donato, F. Cacciola, P. Dugo, L. Mondello
Oral communication

Sviluppo di un metodo multidimensionale “LCxLC” per l’analisi di metabolite in sugarcane (Saccharum officinarum L.)
G. Mazzi Leme, F. Cacciola, P. Donato, A. J. Cavalheiro, P. Dugo, L. Mondello
Poster communication

51) Pittcon Conference & Expo 2014, Chicago, IL, USA, March 2-6, 2014
Multidimensional Liquid Chromatography Approaches in food analysis.
P. Dugo, F. Cacciola, P. Donato, L. Mondello
Invited Oral communication

Comprehensive LCxLC-MS-MS: Application to Challenging Food Case-Study
P. Donato, F. Rigano, F. Cacciola, P. Dugo, L. Mondello
Invited Oral communication

53) MSB 2014, 30th International Symposium on MicroScale Bioseparations, Pécs, Hungary, April 27 - May 1, 2014
Characterization of organic sulfur compounds in fossil fuels using flow modulated comprehensive two-dimensional gas chromatography and tandem mass spectrometry detector
Poster communication

Comprehensive Two-Dimensional Liquid Chromatography Coupled To Mass Spectrometry For Food Applications
P. Dugo, F. Cacciola, P. Donato, L. Mondello
Invited Oral communication

Assessing New Liquid Chromatography/Mass Spectrometry Methods for Lipid Evaluation in Health and Disease
P. Donato, F. Cacciola, N. Fawzy, M. Beccaria, P. Dugo, L. Mondello
Poster communication

Development of a NanoLC-EIMS Method for the Analysis of Semi/Non Volatile Chemicals
F. Rigano, M. Russo, D. Sciarrone, P. Donato, P. Dugo, L. Mondello
Poster communication

Reliability of the ΔECN42 Limit and Global Method for Extra Virgin Olive Oil Purity Assessment using Different Analytical Approaches
M. Beccaria, G. Purcaro, A. Aloisi, A. Marra, P. Donato, L. Conte, P. Dugo, L. Mondello
Poster communication

Identification and Quantification of Bioactive Molecules in Industrial Processing By-products by Means of HPLC/PDA/MS
V. Inferrera, M. Russo, G. Tripodo, P. Donato, P. Dugo, L. Mondello
Poster communication

On-line Two-dimensional Liquid Chromatography-triple Quadrupole Mass Spectrometry for Enhanced Resolution and Sensitivity: Application to a Challenging Food-case Study I
P. Donato, F. Cacciola, F. Rigano, D. Giuffrida, P. Dugo, L. Mondello
Poster communication

Multidimensional LC Preparative System Coupled with a Mass Spectrometer for Isolation of Bioactive Molecules
M. Russo, V. Inferrera, F. Rigano, P. Donato, P. Dugo, L. Mondello,
Poster communication

61) 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014
Comprehensive 2D-LC: a rapid evolution of a powerful technique
P. Dugo, P. Donato, F. Cacciola, L. Mondello
Invited Oral communication

62) 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014
Coupling of new silver thiolate and monodisperse materials in Comprehensive Two-Dimensional Liquid Chromatography for truly orthogonal lipid separation
G. Sullini, P. Donato, M. Beccaria, F. Cacciola, P. Dugo, L. Mondello
Oral communication

"Novel powerful MS strategies in Comprehensive 2D LC"
P. Donato, F. Cacciola, F. Rigano, P. Dugo, L.Mondello
Shimadzu Vendor Seminar
64) 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014. Continuous vs. segmented second dimension system gradients for Comprehensive Two-Dimensional Liquid Chromatography of sugarcane (Saccharum Spp.)
F. Cacciola, G. Mazzi Leme, P. Donato, A. J. Cavalheiro, P. Dugo, L. Mondello
Poster communication

65) 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014. Increase the separation power of Two-Dimensional Liquid Chromatography through the use of shifted gradients for polyphenol determination in red wine
F. Cacciola, P. Donato, F. Rigano, P. Dugo, L. Mondello
Poster communication

66) 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014. 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
P. Donato, F. Cacciola, F. Rigano, D. Giuffrida, P. Dugo, L. Mondello
Poster communication

67) 38th International Symposium on Capillary Chromatography, and 11th GC×GC Symposium, Riva del Garda, Italy, May 18-23, 2014. Determination of polyphenols in Capsicum annum l. by liquid chromatography coupled to mass spectrometry detection and evaluation of the biological activity
M. Mokhtar, J. Soukup, P. Donato, F. Cacciola, P. Dugo, A. Riazi, P. Jandera, L. Mondello
Poster communication

R. Costa, M. Beccaria, E. Grasso, L. Mondello
Poster communication

L. Mondello and M. Beccaria
Shimadzu Vendor Seminar

M. Beccaria, R. Costa, E. Grasso, M. Oteri, G. Tripodo, P. Dugo, L. Mondello
Poster communication

72) 8° MS-Pharmaday, Aboca-Sansepolcro, Italy, July 11-13 2014.
Comprehensive liquid chromatography coupled to tandem mass spectrometry for the
characterization of of polyphenols in mate extracts
F. Cacciola, P. Donato, P. Dugo, L. Mondello
Oral communication

73) LC-MS 2014 Corso avanzato sull'accoppiamento della spettrometria di massa con
Accoppiamento della spettrometria di massa con tecniche di cromatografia liquida
multidimensionale
P. Donato, L. Mondello
Oral communication

74) 10th European Pesticide Residue Workshop, Dublin, Ireland, June 30th - July 3rd, 2014
Fast and efficient untargeted and targeted analysis of pesticide in food by using a
novel high-speed GC and GCxGC-MSMS system
D. Sciarrone, P. Tranchida, L. Mondello
Shimadzu Vendor Seminar

75) 10th European Pesticide Residue Workshop, Dublin, Ireland, June 30th - July 3rd, 2014
Fast and Efficient Untargeted and Targeted Analysis of Pesticides in Food by Using a
Novel High-Speed GC and GCxGC-MSMS System
D. Sciarrone, P. Tranchida, L. Mondello
Poster communication

76) 17th International Carotenoid Symposium, being held in Park City, Utah, USA, June
29- July 4 2014
C50 Carotenoids from the cheese-ripening bacteria arthrobacter arilaitensis.
D. Giuffrida, N. Sutthiwong, P. Dugo, P. Donato, F. Cacciola, M. Fouillaud, Y. Caro, L.
Dufossé
Poster communication

77) 17th International Carotenoid Symposium, being held in Park City, Utah, USA, June
29- July 4 2014
Native carotenoids composition of some fruits from Panama.
D. Giuffrida, D. Menchaca, P. Dugo, P. Donato, F. Cacciola, E. Murillo
Poster communication

78) 17th International Carotenoid Symposium, being held in Park City, Utah, USA, June
29- July 4 2014
Bioaccessibility of phytoene and phytofluene from oranges. Effect of squeezing and
dietary fat.
J. Meléndez-Martínez
Poster communication

79) 17th International Carotenoid Symposium, being held in Park City, Utah, USA, June
29- July 4 2014
Study of the carotenoids esters in diverse citrus cultivars.
G. Tripodo, D. Giuffrida, C. M. Stinco, P. Dugo, G. Dugo, I. M. Vicario, A. J.
Meléndez-Martínez
Poster communication
80) X Congresso Italiano di Chimica degli Alimenti, Firenze, Italy, July 6-10 2014
Native carotenoids composition of some fruits from Panama
D. Giuffrida, D. Menchaca, P. Dugo, P. Donato, F. Cacciola, E. Murillo
Poster communication

81) X Congresso Italiano di Chimica degli Alimenti, Firenze, Italy, July 6-10 2014
C50 Carotenoids from the cheese-ripening bacteria arthrobacter arilaitensis
D. Giuffrida, N. Sutthiwong, P. Dugo, P. Donato, F. Cacciola, M. Fouillaud, Y. Caro, L. Dufossé
Poster communication

82) 45th International Symposium of Essential Oils (ISEO 2014), Istanbul, Turkey, September 07-10, 2014
Advanced preparative techniques for the collection of pure components from essential oils
D. Sciarrone, S. Pantò, F. Cacciola, L. Mondello
Invited oral communication

83) 45th International Symposium of Essential Oils (ISEO 2014), Istanbul, Turkey, September 07-10, 2014
Comprehensive Chromatography (GC×GC, LC×LC, LC-GC×GC/MS) approaches for the analysis of Essential Oils
L. Mondello
Shimadzu Vendor Seminar

84) 45th International Symposium of Essential Oils (ISEO 2014), Istanbul, Turkey, September 07-10, 2014
Cold-pressed lemon essential oil by-products: enhancement through bioactive molecules isolation.
A. Arigò, M. Russo, M. L. Calabrò, P. Dugo, L. Mondello
Poster communication

85) 45th International Symposium of Essential Oils (ISEO 2014), Istanbul, Turkey, September 07-10, 2014
Creation of a vapour phase fourier-transform infrared spectroscopy database as a tool for the identification of components in complex mixtures
S. Pantò, D. Sciarrone, M. Maimone, P. Q. Tranchida, P. Dugo, L. Mondello
Poster communication

86) Simpósio Brasileiro de Cromatografia e Técnicas Afins (SIMCRO 2014), Campos do Jordão (SP), Brazil, September 4-6, 2014
Liquid chromatography methods for the characterization of aqueous phase from bio-oils
D. Tomasini, F. Cacciola, F. Rigano, D. Sciarrone, P. Donato, M. Beccaria, E. Caramão, P. Dugo, L. Mondello
Poster communication

87) 23º SILAE Congress Marsala, Italy, September 7-12, 2014
Genotype characterization of helichrysum italicum (ROTH) G. Don Fil. Subsp. Italicum by gas chromatography – isotope ratio mass spectrometry.
L. Schipilliti, I. Bonaccorsi, G. Dugo, P. Dugo, L. Mondello
Oral communication

88) 23º SILAE Congress Marsala, Italy, September 7-12, 2014
Comprehensive gas chromatographic (GC×GC) analysis of artemisia arborescens L. (ASTERACEAE) from south Italy
R. Costa; S. Ragusa, I. Bonaccorsi, A. Zanotto, F. A. Franchina, E. Grasso, L. Mondello,
Comunicauzione poster

89) 23º SILAE Congress Marsala, Italy, September 7-12, 2014
Artemisia arborescenses L. (ASTERACEAE): HPLC determination of flavonoids and evolution of anti-angiogenic effects
M. P. Germanò, M. Russo, G. Certo, E. Grasso, R. Costa, I. Bonaccorsi, S. Ragusa, P. Dugo
Poster communication

90) 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 imensional liquid chromatography approaches in food analysis
L. Mondello
Invited oral communication

91) 30th International Symposium on Chromatography (ISC 2014), Salzburg Austria, September 14-18, 2014
Combining orthogonal multidimensional liquid chromatography approaches in food analysis
F. Cacciola, P. Donato, F. Rigano, A. Albergamo, P. Dugo, L. Mondello
Oral communication

92) 30th International Symposium on Chromatography (ISC 2014), Salzburg Austria, September 14-18, 2014
A powerful four-dimensional separation-science tool: on-line liquid chromatography-comprehensive two dimensional gas chromatography-triple quad mass spectrometry
Oral communication

Reliability of the ΔECN#2 Limit and global method for extra virgin olive oil purity assessment using different analytical approaches
M. Beccaria, G. Purcaro, P. Tranchida, P. Dugo, L. Mondello
Poster communication

94) XV Congreso Latinoamericano de Cromatografia e Técnicas Afins (COLACRO 2014), Cartagena de Indias, Colombia, September 29-October 3, 2014
Liquid chromatography coupled to a three-dimensional gas chromatography preparative system for the rapid collection of high amounts of pure solutes from natural samples
D. Sciarrone, L. Mondello
Oral communication

95) XV Congreso Latinoamericano de Cromatografia e Técnicas Afins (COLACRO 2014), Cartagena de Indias, Colombia, September 29-October 3, 2014
Complementary analytical liquid chromatography methods for the characterization of aqueous phase from pyrolysis of lignocellulosic biomasses
D. Tomasini, F. Cacciola, F. Rigano, D. Sciarrone, P. Donato, M. Beccaria, E. Caramão, P. Dugo, L. Mondello
Poster communication
96) Incontri di Scienza delle Separazioni, Roma, 12 dicembre, 2014
GC multidimensionale “comprehensive” con modulazione a flusso: è questo il futuro delle separazioni GC ad alta risoluzione?
P. Q. Tranchida, F. A. Franchina, P. Dugo, L. Mondello
Invited oral communication

97) Incontri di Scienza delle Separazioni, Roma, 12 dicembre, 2014
Isolamento di molecole biologicamente attive per mezzo di cromatografia liquida preparativa multidimensionale
M. Russo, P. Dugo, L. Mondello
Oral communication

98) Incontri di Scienza delle Separazioni, Roma, 12 dicembre, 2014
Uso di tecniche cromatografiche multidimensionali preparative per l’isolamento di composti puri da campioni complessi
M. Maimone, S. Pantò, D. Sciarrone, P. Dugo, L. Mondello
Oral communication

99) Incontri di Scienza delle Separazioni, Roma, 12 dicembre, 2014
Valorizzazione degli scarti dell’industria agroalimentare mediante l’isolamento di molecole bioattive
Arigò, M. Russo, M. L. Calabrò, P. Dugo, L. Mondello
Oral communication

Comprehensive Two-Dimensional Gas Chromatography Combined with Single and Triple Quadrupole Mass Spectrometry: Powerful Unified Tools for the Analysis of Food Volatiles
P. Q. Tranchida, F. A. Franchina, P. Dugo, L. Mondello
Oral communication

Comprehensive 2D GC combined with novel MS instrumentation: powerful unified tools for the analysis of complex samples
Luigi Mondello, Peter Q. Tranchida, Flavio A. Franchina, Mariosimone Zoccali
Invited oral communication

102) Analytica Vietnam 2015, Saigon Exhibition & Convention Centre, Ho Chi Minh City, April 15-17, 2015
Flow Modulated Comprehensive 2D Gas Chromatography: A versatile, low-costing and powerful instrument for a deeper insight into food contaminations and complex samples
F.A. Franchina, M. Maimone, P.Q. Tranchida, G. Purcaro, D. Sciarrone, L. Mondello
Poster communication

103) 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
Poster communication
104) Analytica Vietnam 2015, Saigon Exhibition & Convention Centre, Ho Chi Minh City, April 15-17, 2015
Development of a vapour phase Fourier-transform infrared spectroscopy database for the unequivocal identification of volatiles in complex mixtures
S. Pantò, M. Maimone, D. Sciarrone, G. Purcaro, L. Mondello
Poster communication

105) Analytica Vietnam 2015, Saigon Exhibition & Convention Centre, Ho Chi Minh City, April 15-17, 2015
Chromatoplus spectra 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
Poster communication

106) 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
Poster communication

107) 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
Poster communication

108) 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
Invited oral communication

109) 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
Poster communication

110) 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
Poster communication
111) 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
Invited oral communication

112) 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
Oral communication

113) 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
Oral communication

114) 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
Oral communication

115) 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
Oral communication

116) 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
Oral communication

117) 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
Poster communication
118) 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
Poster communication

119) 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
Poster communication

120) 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
Poster communication

121) 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
Poster communication

122) 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
Oral communication

123) 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
Poster communication

124) 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
Invited oral communication
125) 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
Invited oral communication

Elucidation of the carotenoid composition in food using one- and two-dimensional chromatography coupled to photodiode array and mass spectrometry detection
Luigi Mondello
Invited oral communication

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
Oral communication

Bioactives screening in fruits and vegetables by liquid chromatography coupled to photo-diode array and mass spectrometry detection
Francesco Cacciola, Ivana Bonaccorsi, Margita Utzas, Francesca Satira, Marina Russo, Daniele Giuffrida, Paola Dugo, Luigi Mondello
Poster communication

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
Poster communication

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
Poster communication

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
Poster communication

132) 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
Invited oral communication

133) 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
Poster communication

134) 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
Poster communication

135) 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
Poster communication

136) 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
Oral communication

137) 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 Inferrera, Marco Beccaria, Paola Donato, Giorgia Purcaro, Paola Dugo, Luigi Mondello
Oral communication

138) 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
Poster communication

139) 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
Poster communication
140) 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
Poster communication

141) 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
Poster communication

142) 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
Poster communication

143) 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
Poster communication

144) EUROANALYSIS 2015, Bordeaux, France, September 6th-10th, 2015
A fast and green chromatographic technique for carotenoid identification in foodstuffs
Bonaccorsi, V. Inferrera, M. Utczas, F. Cacciola, P. Donato, P. Dugo, L. Mondello
Poster communication

145) 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
Poster communication

146) 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
Poster communication

147) 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
Invited oral communication
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
Oral communication

149) 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
Poster communication

150) 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. Farneti, L. Mondello
Poster communication

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
Poster communication

Analytical methods for lipid profiling in biological samples
Veronica Inferrera, Marco Beccaria, Francesca Rigano, Flavio A. Franchina, Paola Donato, Giorgia Purcaro, Paola Dugo
Poster communication

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
Poster communication

154) XVIII Euro Food Chem, Madrid, Spain, October 13-16, 2015
Recent advances in chromatographic techniques hyphenated to mass spectrometry for food quality assessment
Luigi Mondello
Invited oral communication
155) 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 Utzas, Domenica Mangraviti,
Marco Beccaria, Paola Dugo, and Luigi Mondello
Poster communication

156) 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
Invited oral communication

Preparative chromatography techniques for the isolation of pure standard components from natural samples
Luigi Mondello, Sebastiano Pantò, Danilo Sciarrone
Invited oral communication

158) Convegno CNR Dagli ioni metastabili (1945) alle tecniche MSn: stato dell’arte, novità, innovazione e strumentazione, Roma, 15 dicembre 2015
Hyphenation of novel MS devices with a powerful multidimensional GC pre-separation step for the investigation of complex samples
Mariarosa Maimone, Flavio A. Franchina, Peter Q. Tranchida and Luigi Mondello
Oral communication

159) International Symposium On Hyphenated Techniques In Chromatography And Separation Technology (HTC), Ghent, Belgium, January 27-29, 2016
Hyphenated LC-MS and LC×LC-MS Techniques Reduce the Need for Extensive Sample Preparation for Accurate Analysis of Target Compounds
Paola Dugo, Paola Donato, Francesco Cacciola, Marco Beccaria, Veronica Inferrera, Francesca Rigano, Luigi Mondello
Invited oral communication

Hyphenated Chromatographic Techniques for Complex Analysis of Lipid Samples
Paola Dugo, Paola Donato, Marco Beccaria, Francesco Cacciola, Luigi Mondello
Invited oral communication

Advanced Chromatographic and Mass Spectrometric Approaches for Phospholipid Analysis
Paola Dugo
Invited oral communication

Flow-modulation comprehensive two-dimensional gas chromatography-mass spectrometry using ≈ 4 mL min⁻¹ gas flows
Peter Q. Tranchida, Flavio A. Franchina, Mariarosa Maimone, Luigi Mondello
Oral communication
Isolation of unknown molecules from plant extracts exploiting a multidimensional GC-prep system followed by NRM, MS and FTIR for structural identification
Danilo Sciarrone, Sebastiano Panto, Paola Dugo, Luigi Mondello
Oral communication

(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 and Luigi Mondello
Poster communication

Concept of (low-)flow modulation comprehensive two-dimensional gas chromatography under sub-ambient, ambient and supra-ambient pressure outlet conditions
Mariarosa Maimone, Flavio A. Franchina, Peter Q. Tranchida, Luigi Mondello
Poster communication

166) 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
Poster Communication

167) 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
Poster Communication

168) 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
Invited Oral Communication

169) 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
Invited Oral Communication

170) 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
Invited Oral Communication

171) 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
Invited Oral Communication

172) 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
Invited Oral Communication

173) 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
Invited Oral Communication

174) 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
Poster Communication

175) 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
Poster Communication

176) 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
Poster Communication

177) 26th International Symposium on Electroseparation and Liquid Phase-Separation Techniques (ITP 2019), Tolouse, 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
Oral Communication

178) 26th International Symposium on Electroseparation and Liquid Phase-Separation Techniques (ITP 2019), Tolouse, 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
Oral Communication

179) 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
Oral Communication

180) 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
Oral Communication

181) XX EuroAnalysis, Istanbul, Turkey, September 1-5, 2019
Katia Arena, Paola Donato, Francesco Cacciola, Domenica Mangraviti, Francesca Rigano, Paola Dugo, Luigi Mondello
Phenolic fingerprinting in pistachio nuts of different origins by LC×LC-PDA-MS
Poster Communication

182) 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
Poster Communication

183) 25th International Symposium on Separation Sciences, Lodz, Poland, September 15-18, 2019
Luigi Mondello
Comprehensive two-dimensional liquid chromatography (LCxLC) for the analysis of bioactive compounds from foodstuffs
Invited Oral Communication

184) 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
Invited Oral Communication

185) 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
Poster Communication

186) 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
Oral Communication

187) 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
Oral Communication

188) 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
Oral Communication

189) 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
Oral Communication

190) 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 TECNIQUE AS A RELIABLE TOOL FOR IDENTIFICATION
Oral Communication

191) 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
Oral Communication

192) 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
Oral Communication
193) 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
Oral Communication

194) 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
Poster Communication

195) 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
Poster Communication

196) XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
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
Poster Communication

197) XXVIII Congress of the Analytical Chemistry Division, Bari, Italy, September 22-26, 2019
R. 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
Poster Communication

198) 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
Poster Communication

199) 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
Oral Communication
200) 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
Oral Communication

201) 17th Euro Fed Lipid Congress And Expo, Seville, Spain, October 20-23, 2019
Giuseppe 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
Poster Communication

202) 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-supercritical fluid chromatography-triple quadrupole/mass spectrometry
Invited Oral Communication

203) Shimadzu & Merck Workshop Analisi degli Alimenti, Bologna, October 22, 2019
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
Invited Oral Communication

204) 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
Oral Communication

205) 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
Poster Communication

206) 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
Poster Communication