



Conference Participations

- 01) 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)
Poster presentation
- 02) 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
Poster presentation
- 03) 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
Lecture
- 04) 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
Lecture
- 05) 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
Lecture
- 06) 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
Lecture
- 07) 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
Invited Lecture
- 08) 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
Lecture
- 09) 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
Poster presentation
- 10) 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)
Lecture
- 11) 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 comprensive di matrici alimentari
Lecture
- 12) 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
Poster presentation

- 13) 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
Invited Lecture
- 14) 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
Lecture
- 15) 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
Lecture
- 16) 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
Lecture
- 17) 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
Lecture
- 18) 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
Poster presentation
- 19) 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
Lecture

- 20) 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
Poster presentation
- 21) 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
Poster presentation
- 22) 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
Poster presentation
- 23) 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
Poster presentation
- 24) Alimed 2011 – Alimentazione Mediterranea, qualità, sicurezza e salute, 22-25 Maggio 2011, Palermo
Danilo 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
Lecture
- 25) 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
Lecture

- 26) 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
Plenary Lecture
- 27) 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
Poster presentation
- 28) 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
Lecture
- 29) 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
Poster presentation
- 30) 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
Poster presentation
- 31) 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
Invited Lecture
- 32) 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 annum* L.) by comprehensive (LCxLC) liquid chromatography
Poster presentation
- 33) 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
Invited Lecture

- 34) 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
Lecture
- 35) 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
Poster presentation
- 36) 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.
Lecture
- 37) 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
Lecture
- 38) 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
Poster presentation
- 39) 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.
Poster presentation
- 40) 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

Lecture

- 41) 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 a invito
- 42) 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
Lecture
- 43) 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
Poster presentation
- 44) 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
Poster presentation
- 45) 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
Tutorial
- 46) 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
Poster presentation
- 47) 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
Lecture

