

20-giu-22

14:00:00
15:00:00

REGISTRAZIONE

Apertura del Convegno e saluti delle Autorità

APPLICAZIONI DELLA SPETTROMETRIA DI MASSA PER LO STUDIO ED IL CONTROLLO DEI MATERIALI POLIMERICI

Chairs: Luciano NAVARINI & Riccardo FLAMINI

15:30:00 PL1
16:10:00 KN1
16:40:00 OR1
16:55:00 OR2

Sabrina Carola Carroccio (CNR-IPCB - Catania)	Soft MS of synthetic polymers: a focus on bioplastics characterization
Federica Bianchi (Università degli Studi di Parma)	High resolution-mass spectrometry for safety assessment of food packaging materials
Riccardo Chiarcos (Università del Piemonte Orientale-UPO)	TGA-GC-MS and MALDI-TOF mass spectrometry: two promising tools for the characterization of ultrathin polymer films
Francesco Prandi (Università degli Studi di Bologna)	Optimization of polymer processing for the reduction of volatile organic compounds (VOCs)

17:10:00
19:30:00

CONSIGLIO DIRETTIVO DELLA DSM

Welcome Party

21-giu-22

LA SPETTROMETRIA DI MASSA PER LO STUDIO DI SOSTANZE NATURALI

Chairs: Paola MONTORO & Giuliana BIANCO

09:00:00 PL2
09:40:00 OR3
09:55:00 OR4
10:10:00 OR5
10:25:00 OR6

Paola Dugo (Università degli Studi di Messina)	Lipidomic analysis in food: The role of a detailed elucidation of intact lipids in functional foods for investigating on nutritional aspects
Maria Assunta Crescenzi (Università degli Studi di Salerno)	Metabolomics in the study of Foeniculum vulgare. From the characterization of bioactive compounds to cell metabolomics studies for the confirmation of their activities
Sara Avesani (Università degli Studi di Trento)	Untargeted metabolomics approach to understand grapevine communication mediated by volatile organic compounds against downy mildew
Antonella Di Francesco (Università degli Studi di Catania)	The development of a manually curated database of the metabolic proteins of Triticum aestivum (TriMet_DB)
Flaminia Vincenti (Sapienza Università di Roma)	LC-MS for the Analysis of Psychoactive Substances in Archaeological Finds

10:40:00

Coffee Time

11:00:00 OR7
11:15:00 OR8
11:30:00 OR9
11:45:00 OR10
12:00:00 OR11
12:15:00 OR12

Eduardo Viteritti (Università degli Studi di Teramo)	Determination of Carbazole Alkaloids in Murraya Koenigii leaves by means LC-MRM/PI/IDA/EPI analysis
Francesco Cacciola (Università degli Studi di Messina)	Comprehensive two-dimensional liquid chromatography coupled to mass spectrometry detection for characterization of bioactive compounds in food and natural products
Paolo Scardina (Agilent Technologies Italia S.p.A.)	Quantification of glyphosate in milled and brown rice in LC-ICP-MS/MS
Maria Assunta Acquavia (Università degli Studi della Basilicata)	Raw materials in food manufacturing: a complexity ascertained by high-resolution mass spectrometry
Angela Di Capua (The Ohio State University, Columbus, OH, USA)	Use of native-mass spectrometry to elucidate the oligomeric state and substrate-binding affinity of FrlB, a bacterial deglycase
Alba Lasalvia (Sapienza Università di Roma)	Assaying vegetable specimens by FT-ICR mass spectrometry, an election technique in metabolomic studies

12:30:00

Lunch and Poster session

LA SPETTROMETRIA DI MASSA NELLE LIFE SCIENCES

Chairs: Fulvio MAGNI & Donatella CARUSO

14:00:00 PL3
14:30:00 OR13
14:45:00 OR14
15:00:00 OR15
15:15:00 OR16
15:30:00 OR17

Giuseppe Paglia (Università degli Studi di Milano-Bicocca)	Analytical tools for metabolomics and applications
Maria Gaetana Pittalà (Università degli Studi di Catania)	Proteomic profile of extracellular vesicles secreted by astrocytes using high resolution mass spectrometry
Giovanna Baron (Università degli Studi di Milano)	Liquid Chromatography-High Resolution Mass Spectrometry (LC-HRMS) Profiling of Commercial Enocianina and Evaluation of Their Antioxidant and Anti-Inflammatory Activity
Simone Moretti (Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche "Togo Rosati"- Perugia)	Emerging per- and polyfluoroalkylated substances (PFASs) in wild boar liver
Lisa Pagani (Università degli Studi di Milano- Bicocca)	Plasma proteome investigation of COVID-19 patients with different outcomes through an untargeted label-free LC-MS/MS approach
Vanna Dentì (Università degli Studi di Milano- Bicocca)	A novel Spatial Multi-omics mass spectrometry imaging workflow to assist clinical investigations

15:45:00

Coffee Time

16:05:00 OR18
16:20:00 OR19
16:35:00 OR20
16:50:00 OR21

PREMIO GIOVANI: Lucrezia Angeli (Università degli Studi di Bolzano)	The detection of new products by HPLC-HRMS validates a novel stoichio-kinetic model for the reaction between the 2,2-diphenyl-1-picrylhydrazyl radical (DPPH•) and common antioxidants
Alice Sosic (Università degli Studi di Padova)	MS-based approaches in drug development: elucidation of RNA-ligand-protein interactions for the investigation of bis-3-chloropiperidines targeting TAR
Giovanni Ventura (Università degli Studi di Bari)	Discovery and Characterization of a novel Lipid Class via LC-ESI-MS & MSn analysis: the case of Acyl-Glucuronosylglycerols
Simone Ronsisvalle (Università degli Studi di Catania)	Quali-quantitative determination of toxic carbonyl compounds in the emissions of both heated tobacco products (HTP) and conventional cigarettes

17:05
20:30

ASSEMBLEA SOCI DSM

SOCIAL DINNER

22-giu-22

50 ANNI DELLA DSM

Chair: Gianluca GIORGI

09:00:00 PL4
09:30:00 KN 2
10:00:00

Giorgio Giacomo Mellerio (Università degli Studi di Pavia)	The first 50 years of GSM – DSM
Leopoldo Ceraulo (Università degli Studi di Palermo)	Mass Spectrometry in Sicily: a Historical Overview

Coffee Time

VALIDAZIONE, QUALITA' DEL DATO E MISCELLANEA

Chairs: Cecilia BERGAMINI & Roberta GALARINI

10:20:00 PL5
11:00:00 OR22
11:15:00 OR23
11:30:00 OR24
11:45:00 OR25
12:00:00 OR26
12:15:00 OR27
12:30:00 OR28
12:45:00 OR29

Marios G. Kostakis (EURACHEM, University of Athens, Grece)	Current state and future perspective on validation of Mass Spectrometry methods.
Rita Celano (Università degli Studi di Salerno)	Development and validation of a rapid and simple analytical method for the simultaneous analysis of pyrrolizidine alkaloids and related N-oxides in beehive products by salting out assisted liquid liquid combined with LC-tandem mass spectrometry
Carolina Barola (Istituto Zooprofilattico Sperimentale dell'Umbria e delle Marche "Togo Rosati"- Perugia)	Perfluoroalkyl and polyfluoroalkyl substances (PFASs) in honey by LC-Q-Orbitrap: method development and validation study
Francesco Ferella (Gran Sasso National Laboratories, L'Aquila)	Material screening of electronic devices by ICP-MS and HR-ICP-MS: towards a low background for astroparticle physics experiments
Matteo Perini (Fondazione Edmund Mach,)	Different applications of the Liquid Chromatography coupled to Isotope Ratio Mass Spectrometry (LC-IRMS)
Roberta Puglisi (CNR-IPCB, Catania)	Characterization of new ZnO nanocomposites bio-blend based on Poly(lactic acid) and Polyamide 11
Chiara Maccari (Università degli Studi di Parma)	Validation of analytical method for the determination of cortisol in hair by UHPLC-MS/MS
Donato Squillaci (Università degli Studi di Firenze)	Fast and sensitive high-throughput antineoplastic drugs surface contamination monitoring by ultra-high performance liquid chromatography coupled with tandem mass spectrometry.
Mario Armelao (SCIE X Italia)	Rapid analysis and interpretation of metabolomics SWATH acquisition

13:00:00

CLOSING REMARKS

13:30:00

Lunch