



Società Chimica Italiana  
Divisione di Spettrometria  
di Massa



Società Chimica Italiana  
Gruppo Giovani



9<sup>th</sup> MS Jday  
i giovani e la  
Spettrometria di Massa

2<sup>ND</sup> ONLINE EDITION - 24 GIUGNO 2021

*Programma dei lavori*

## *Scientific Program - THURSDAY, JUNE 24 - MORNING SESSION*

9:00	<i>Welcome and opening ceremony - Fulvio Magni</i>
PLENARY LECTURE - CHAIRPERSON: V. LAZZARA	
9:15	<i>Characterization of bioactive secoiridoids in olive oil and leaves by advanced liquid chromatography-mass spectrometry techniques</i> R. ABBATTISTA – UNIVERSITÀ DEGLI STUDI DI BARI ALDO MORO
ORAL SESSION - CHAIRPERSONS: F. FANTI - R. PASCALE - G. VENTURA - F. VINCENTI	
9:45	<i>Characterization of quercetin derivatives in a crossing combination of Habanero white and Capsicum annuum peppers and evaluation of the encapsulation efficiency of peppers extract in liposomes by LC-MS/MS</i> M.A. ACQUAVIA– UNIVERSITÀ DEGLI STUDI DI BASILICATA & ALMAGISI S.R.L
10:00	<i>Phytochemical characterization of Goji berries (L. barbarum) and leaves by high-resolution mass spectrometry</i> A. LASALVIA– UNIVERSITÀ DI ROMA LA SAPIENZA
10:15	<i>High-Resolution Mass Spectrometry for Characterization of Extracts from Food By-Products</i> K. MOROZOVA - FREE UNIVERSITY OF BOZEN-BOLZANO
10:30	<i>Optimization of a Lipidomic LC-MS Workflow for Milk Analysis on a Q-Exactive Orbitrap</i> S. IMPERIALE – FREE UNIVERSITY OF BOZEN-BOLZANO
10:45	<i>Supercritical fluid extraction with Liquid Chromatography-Orbitrap Mass Spectrometry for lipidomic analysis of mozzarella cheese</i> R. ZIANNI – ISTITUTO ZOOPROFILATTICO SPERIMENTALE DELLA PUGLIA E DELLA BASILICATA
11:00	<i>Metabolic association of health relevant metabolites between peel and pulp in apples of old, commercial, and red-fleshed cultivars</i> A.T. CECI - LAIMBURG RESEARCH CENTRE & UNIVERSITY OF TRENTO
11:15	<i>Chemical characterization, antioxidant properties and enzyme inhibition of Rutabaga root's pulp and skin (Brassica napus L.)</i> A. STEFANUCCI - UNIVERSITY OF CHIETI-PESCARA “G. D’ANNUNZIO”
Break	
11:45	<i>In silico food allergenic risk assessment of proteins extracted from microalgae spirulina and chlorella</i> M. BIANCO – UNIVERSITÀ DEGLI STUDI DI BARI ALDO MORO
12:00	<i>Mass spectrometry-based proteomics to investigate diagenetic effects on endogenous and environmental peptides of the Shandrin mammoth gut</i> A. CUCINA - UNIVERSITY OF CATANIA
12:15	<i>Proteomics profiling of FACS-sorted Leukocyte-derived Extracellular Vesicles as a “liquid biopsy” of immune response in untouched biofluids</i> M.C. CUFARO - UNIVERSITY “G. D’ANNUNZIO” OF CHIETI-PESCARA
12:30	<i>Post-translational modifications of the VDAC3 isoform purified from an ALS model cell line: a study using high resolution mass spectrometry</i> M.G.G. PITTALÀ - UNIVERSITY OF CATANIA
12:45	<i>The contribution of mass spectrometry as a magnifying glass for Covid-19 comprehension: what do peripheral lymphocytes conceal in their protein cargo?</i> S. VALENTINUZZI - CENTER FOR ADVANCED STUDIES AND TECHNOLOGY (CAST) & DEPARTMENT OF PHARMACY, UNIVERSITY “G. D’ANNUNZIO” OF CHIETI-PESCARA
13:00	<i>A mass spectrometry study: postbiotic based ocular drug influences the proteomic profiles in the rabbits’ tears</i> A. ZAMMATARO - UNIVERSITY OF CATANIA
13:15	<i>From micro- to non-invasive approaches to recognize painting binders on artworks</i> E.C.L. RIGANTE - UNIVERSITÀ DEGLI STUDI DI BARI ALDO MORO
Lunch break	

## Scientific Program - THURSDAY, JUNE 24 - AFTERNOON SESSION

ORAL SESSION - CHAIRPERSONS: F. FANTI - R. PASCALE - G. VENTURA - F. VINCENTI

14:30	<i>A novel MEPS-UHPLC-MS/MS analytical platform for the analysis of salivary oxylipins in heart failure patients</i> D. BIAGINI - UNIVERSITY OF PISA
14:45	<i>A metabolomic approach reveals hippuric acid as a possible hallmark of frailty</i> G. DE SIMONE - INSTITUTE FOR PHARMACOLOGICAL RESEARCH, MILAN
15:00	<i>Development of a method for the quantification of estrone and estradiol in serum by LC-MS/MS</i> V. FIORINI - DEPARTMENT OF EXPERIMENTAL AND CLINICAL BIOMEDICAL SCIENCES "MARIO SERIO"
15:15	<i>Mass Spectrometry Imaging as a tool to investigate region specific lipid alterations in symptomatic human carotid atherosclerotic plaques</i> F. GRECO - INSTITUTE OF LIFE SCIENCES, PISA & FONDAZIONE PISANA PER LA SCIENZA ONLUS
15:30	<i>An innovative UHPLC-MRM method for monitoring the cholesterol synthetic pathway in biological samples</i> A. LANNO - INSTITUTE FOR PHARMACOLOGICAL RESEARCH, MILAN
15:45	<i>Determination of salivary short chain fatty acids and hydroxy acids in heart failure patients by in-situ derivatization and Hisorb-probe sorptive extraction coupled to thermal desorption and gas chromatography-tandem mass spectrometry</i> A. LENZI - UNIVERSITY OF PISA
16:00	<i>A new LC-MS/MS method for the quantification of 1-Hydroxypyrene glucuronide in urine samples</i> C. MACCARI - UNIVERSITÀ DI PARMA
Break	
16:30	<i>Phosphatidic acid methyl esters as markers of phospholipid profile alterations induced by phospholipase D during lipid extraction from microgreen crops: a hydrophilic interaction liquid chromatography – mass spectrometry study</i> A. CASTELLANETA – UNIVERSITÀ DEGLI STUDI DI BARI ALDO MORO
16:45	<i>Unambiguous positional assignment of double bonds in unsaturated fatty acyl chains of arsenosugar phospholipids (As-PL) in wakame seaweed by LC-ESI multistage mass spectrometry</i> D. CONIGLIO – UNIVERSITÀ DEGLI STUDI DI BARI ALDO MORO
17:00	<i>Accelerated dehydration of D-fructose performed in microdroplets by a commercial ESI Z-spray source</i> C. SALVITTI - UNIVERSITÀ DI ROMA LA SAPIENZA
17:15	<i>Determination of carbazole alkaloids in <i>Murraya Koenigii</i> by means of LC-MS/MS analysis with a predictive multi experiment approach</i> E. VITERITTI - UNIVERSITY OF TERAMO
17:30	<i>MS-based molecular networking: a modern strategy for the fast detection of new natural products</i> S. SCARPATO - UNIVERSITY OF NAPLES FEDERICO II
17:45	<i>Characterization of <i>Rumex abyssinicus</i>, a Traditional Rwandan Medicine</i> C. SPAGGIARI - UNIVERSITY OF PARMA & INES-RUHENGERI, INSTITUTE OF APPLIED SCIENCES, MUSANZE, RWANDA
18:00	<i>Detection of products of the reaction between 2,2-diphenyl-1-picrylhydrazyl radical (DPPH•) and common antioxidants by high resolution mass spectrometry</i> L. ANGELI – FREE UNIVERSITY OF BOZEN-BOLZANO
18:15	<i>Award ceremony and closing remarks - Fulvio Magni, Donatella Caruso</i>