

Joint Event

6th International Conference on
Chemistry
&
4th International Conference on
**Mass Spectrometry and
Analytical Techniques**

March 21-22, 2024 | Rome, Italy



Coalesce Research Group
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Contact Us:

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6th International Conference on **Chemistry**

&

4th International Conference on
Mass Spectrometry and Analytical Techniques

Day-1 : March 21, 2024

Meeting Hall: Parioli 1

8.45 - 9.15 Registrations

9:15 - 9:30 Introduction

Keynote Presentations

09.30 - 10.10 Title: Environmental Risk of Pharmaceuticals – Sources, Ecotoxicity and Phytoremediation

Stanislav Smrček, Charles University, Czech Republic

10.10 - 10.50 Title: Translation of Urinary Steroid Metabolomics from a Research Test into Routine Clinical Biochemistry

Angela E Taylor, University of Birmingham, United Kingdom

Networking and Refreshments 10:50 - 11:15 @ Bar

11:15 - 11.55 Title: Vegetable Oil based Functional Materials as Sustainable Additives for Lubricants

Pranab Ghosh, University of North Bengal, India

Oral Presentations

Session Chair: **Stanislav Smrček**, Charles University, Czech Republic

Session Chair: **Angela E Taylor**, University of Birmingham, United Kingdom

Session Chair: **Marialuce Maldini**, Sciex, Italy

Sessions:

Environmental Chemistry | Organic and Inorganic Chemistry Applied Nanoscience and Nano Technology | Food Chemistry and Agricultural Chemistry | Novel Approaches in Mass Spectrometry | Mass Spectrometry in Analytical Science | Applications of Analytical and Bioanalytical Methods | Mass Spectroscopy in Environmental Science | Mass Spectroscopy in Gas chromatography | Mass Spectrometry in Analytical Science | Mass Spectrometry Imaging

11:55 - 12.25 Title: A Powerful Single Method for Sensitive Quantification and Targeted/ Non Targeted Identification of *Cell Culture Media* (CCM) Components Using Accurate Mass Spectrometry

Marialuce Maldini, Sciex, Italy

12.25 - 12.55 Title: Spatially Resolved Quantitation of Drug in Skin Equivalents using Mass Spectrometry Imaging (MSI)

Cristina Russo, Middlesex University, United Kingdom

Group Photo 12.55 - 13.10

Lunch Break 13:10 - 14:00 @ Seguimi

14.00 - 14.30 Title: Exploring Shellfish Diets: Leveraging Essential Amino Acid Fingerprinting in AA-CSIA for Deeper Insights - Where Less (AAs) is More

Laury Acaf, Sorbonne University, Laboratoire d'Océanographie de Villefranche, France

14.30 - 15.00 Title: Aromatic Compounds in Broa as Contributors for its Aroma

Andreia Bento da Silva, University of Lisbon, Portugal

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15.00 - 15.30 Title: Combining MS and NMR Metabolomics to Design a Blood Test to Monitor Brain Atrophy Progression in Early Alzheimer's Disease

Tereza Kacerova, University of Oxford, United Kingdom

15.30 - 16.00 Title: Biogenic Amines Content in Poultry Meat Preserved by an Emulsion Film

Zuzanna Gralak, Nicolaus Copernicus University in Torun, Poland

Networking and Refreshments 16.00 - 16.30 @ Bar

16.30 - 17.00 Title: Structural Features and Catalytic Activities of Two Metal-Organic Hybrid Complexes for Solvent Free Syntheses of 2-arylbenzimidazole and 2,4,5-triarylimidazole derivatives

Biswajit Sinha, University of North Bengal, India

17.00 - 17.30 Title: How Can Ice Emerge at 0°C and What Do Ice-Binding Proteins Do?

Alexei V Finkelstein, Institute of Protein Research of the Russian Academy of Sciences, Russia

Day 1 Concludes followed by Award Ceremony

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Day-2 : March 22, 2024

Meeting Hall: Parioli 1

Oral Presentations

Session Chair: **Angela E Taylor**, University of Birmingham, United Kingdom

Sessions: Organic and Inorganic Chemistry | Computational Chemistry | Food Chemistry and Agricultural Chemistry | Nuclear Magnetic Resonance (NMR) Spectroscopy | Mass Spectrometry in Analytical Science

10:00 - 10:30 Title: Characteristics of Bacterial Strains Isolated from the Hypothermal Healing Spring Waters from Italy and Bulgaria

Nedyalka Valcheva, Trakia University, Bulgaria

10:30 - 11:00 Title: Adsorption and Corrosion Inhibition Ability of Newly Pyrazole Derivative for Carbon Steel in Hydrochloric Acid: Electrochemical Assessments, Surface Characterizations, and Theoretical Investigations

Nadia Timoudan, Faculty of Sciences Rabat, Morocco

Networking and Refreshments 11.00 - 11.30 @ Bar

11:30 - 12:00 Title: New Analytical Expressions of Markov Chain of Metallic-Nikel-Catalysts Hydrocracking

Orchidea Maria Lecian, Sapienza University of Rome, Italy

Poster Presentations

Sessions: Organic and Inorganic Chemistry | Food Chemistry and Agricultural Chemistry | Nuclear Magnetic Resonance (NMR) Spectroscopy | Mass Spectrometry in Analytical Science

POSTER 01 Title: Investigation of the Characteristics of Domain Wall Fixation Centers in Magnets by Nuclear Magnetic Resonance

Tsisana Gavasheli, Ivane Javakhishvili Tbilisi State University, Georgia

POSTER 02 Title: New Procedure of the Biogenic Amines Determination in Poultry Meat

Kamil Brzuzy, Nicolaus Copernicus University in Torun, Poland

POSTER 03 Title: The Influence of Emulsion Films on the Selected Quality Parameters of Poultry Meat

Zuzanna Gralak, Nicolaus Copernicus University in Torun, Poland

POSTER 04 Title: New Pyridine Derivatives of Biogenic Amines and Amino Acids

Kamil Brzuzy, Nicolaus Copernicus University in Torun, Poland

POSTER 05 Title: Characterization of Autochthonous Sweet Cherry Cultivars of Serbia and North Macedonia for Fruit Nutritional Quality, Bioactive Compounds and Antioxidant Activity

Mina Volic, University of Belgrade, Serbia

Lunch Break 13:00 - 14:00 @ Seguimi

Day 2 Concludes followed by Awards Ceremony and Vote of thanks

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Virtual Presentations

March 21, 2024 Greenwich Mean Time (GMT) - Starts at 11:00 AM

Oral Presentations

11:00 - 11:25	Title: Electrochemical and Theoretical Analysis of the Corrosion Behavior of Steel in 1M HCl Solution with a New Organic Compound Chunyan Li , Capital Medical University, China
11:25 - 11:50	Title: Research on Differential Metabolism of High-level Athletes and Isotope Traceability Detection of Endogenous Prohibited Substances Bing Liu , Shanghai University of Sport, China
11:50 - 12:15	Title: Optimized Operation of Fluidized Catalytic Cracking Considering CO ₂ Fixation and Carbon Pricing Yusuke Mori , The University of Tokyo, Japan
12:15 - 12:40	Title: Cellmetry: A Plane-Wave Function-Based Method to Calculate Dissociation and Stability Constants Mihály Purgel , Buchholz in der Nordheide, Germany
12:40 - 13:05	Title: Preparation and Application of Infrared Controlled Activated Carbon/Graphene-Metal Oxide Doped Polymeric Composites for Water Remediation Huseyin Gumus , Bilecik Seyh Edebali University, Turkey
13:05 - 13:30	Title: Effects of Non-Equilibrium Plasma Processing on Solutions of D-, L-Isomers Valeriy Chernyak , Taras Shevchenko National University of Kyiv, Ukraine
13:30 - 13:55	Title: Determination of the Mesalazine Solubility at Biorelevant Temperature Kader Poturcu , Suleyman Demirel University, Turkey
13:55 - 14:20	Title: From Phenospectral GC-MS-Auxanometric Monitoring to the Network of Stationary and Mobile MS-Auxanometric Stations Gradov OV , FRC CP RAS - CHEMBIO Department, Russia
14:20 - 14:45	Title: Analyze the Mechanical and Morphological Properties of Composites Comprising SBR Reinforced with Untreated ACF Particles Sivasubramanian Palanisamy , PTR College of Engineering and Technology, India
14:45 - 15:10	Title: Coffee Cherry Valorization via Hydrothermal Processes: An Optimization of Platform Chemicals Alejandra Sophia Lozano Pérez , Universidad Nacional de Colombia, Colombia
15:10 - 15:35	Title: Identification of Transthyretin Tetramer Kinetic Stabilizers to Inhibit Retinol-Dependent RBP4-TTR Interaction: Novel Therapeutics for Macular Degeneration and Transthyretin Amyloidosis Srinivasan Jayakumar , Rensselaer Polytechnic Institute, USA

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15:35 - 16:00 Title: Improving the Aqueous Solubility of Taxol through Altering XLogP3
Arianna Zhu, Carlmont High School, USA

Poster Presentations

POSTER 01 Title: GC-MS Analysis of Tomato Extracts Grown in Organic and Conventional Systems
Svetlana Motyleva, Strogoorganic Online Gardening Schhol, Moscow, Russia

POSTER 02 Title: Influence of Shear Speed on the Rheological Behavior of Chocolate
Ioana Stanciu, University of Bucharest, Romania

Program Concludes followed by Vote of Thanks

Bookmark The Dates

7th International Conference on
Chemistry

November 11-12, 2024 | Barcelona, Spain

&

5th International Conference on

**Mass Spectrometry and
Analytical Techniques**

November 11-12, 2024 | Barcelona, Spain

Contact Us:

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