

Scientific Program

3rd International Webinar on

Chemistry and Applied Sciences

Thursday
November 11, 2021

Day 1 - November 11, 2021

10:00 - 10:15 Introduction

Oral Presentations

10:15 - 10:40 **Effect of Signal Beat on *In Situ* Quantification Accuracy Of LA-ICMPS**
Xijuan Tan, Chang'an University, China

10:40 - 11:05 **Determination of perfluoroalkyl substances in marine water and marine sandworm *Perinereis Wilsoni* using high performance liquid chromatography tandem mass spectrometry**
Janice B. Sevilla-Nastor, University of the Philippines Los Baños, Philippines

Keynote Presentations

11:05 - 11:35 **Integrating Biomass Valorization and CO₂ Conversion for an Effective Carbon Circular Economy-Cce Implementation**
Michele Aresta, Innovative Catalysis for Carbon Recycling-IC2R Ltd, Italy

11:35 - 12:05 **Technologies for Removing Sulfur from Heavy Crude Oil**
Abdollah Esmaeili, Al-Farabi Kazakh National University, Kazakhstan

Oral Presentations

12:05 - 12:30 **Water Soluble Lignosulfonate Binder Based Hard Carbon Anodes for Sodium Ion Battery**
Ritambhara Gond, Uppsala University, Sweden

12:30 - 12:55 **Nuclear Magnetic Resonance Spectroscopy and Mass Spectrometry as Complementary Techniques**
Nadeem Kizilbash, Northern Border University, Saudi Arabia

Lunch (12:55 - 13:30)

13:30 - 13:55 **Features of age dating of 90Sr-90Y radioactive source using ICP-MS in nuclear forensics**
Hanna Vasylyeva, Uzhgorod National University, Ukraine

13:55 - 14:20 **Molecular mass fingerprints and Proteomics, complementary approaches to evaluate from a Simple "Blood Test" the impact of stressors on pollinator health**
Dalel Askri, Plateforme BioPark d'Archamps, France

14:20 - 14:45 **Database and Polarity Mapping of Bodipys**
F.Y. Telegin, Ivanovo State University of Chemistry and Technology, Russia

14:45 - 15:10 **How Cells Obtain Energy from Food, A Long-Lasting False Story**
Arturo Solís Herrera, Human Photosynthesis® Research Center, México

15:10 - 15:35 **Applications of Time-of-Flight Secondary Ion Mass Spectrometry**
Heng-Yong Nie, The University of Western Ontario, Canada

Poster Presentations

15:35 - 15:50 **GC-MS- Based Metabolomics Analysis of Leaves *Amaranthus* (C4) and *Actinidia* (C3) by Drought**
Svetlana Motyleva, Federal Horticultural Research Center for Breeding, Agrotechnology and Nursery (FHRCBAN), Russia

15:50 - 16:05 **Distribution and availability of mercury and methylmercury in different waters from the Rio Madeira Basin, Amazon**
Miguel Vieira de Melo Neto, University of Brasilia, Brazil

End of Day 1

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Friday
November 12, 2021

Day 2 - November 12, 2021

Oral Presentations

- 10:00 - 10:25 **Modeling Chemical Looping Combustors**
Pietro Bartocci, Institute of Carbochemistry, Spain
- 10:25 - 10:50 **Irradiation Induced Modification of Surface Chemistry of Nanostructured Materials for Frontier Applications**
Shyamal Chatterjee, Indian Institute of Technology, India
- 10:50 - 11:15 **Results of Studies of a Two-Circuit Solar Installation with Thermosiphon Circulation in Winter**
Murat Kunelbayev, Al-Farabi Kazakh National University, Kazakhstan
- 11:15 - 11:40 **GCMS Determination of Polycyclic Aromatic Hydrocarbons in Water Coupled with Electro Flotation-Assisted Emulsification Liquid-Liquid Micro Extraction**
Valentin Krylov, N.I. Lobachevsky State University, Russia
- 11:40 - 12:05 **Propagation of Electromagnetic Waves in Neutron Star**
Sania Saleem, Institute of Space Technology, Pakistan
- 12:05 - 12:30 **Biomolecular Analytical Techniques (BIA Techniques)**
Nalini Kanta Sahoo, SRMIST Deemed to be University, India
- 12:30 - 12:55 **New hydroxycinnamic acid derivatives from *tithonia diversifolia* (Hemsl.) A. Gray and anti-oxidant activity**
Nasifu Kerebba, Makerere University, Uganda

Lunch (12:55 - 13:30)

- 13:30 - 13:55 **Molecular Docking Simulation, Design and Pharmacokinetics Studies on Some Anti – Breast Compounds**
Hadiza A Lawal, Ahmadu Bello University, Nigeria
- 13:55 - 14:20 **Mass spectrometry-based proteomics approaches for qualitative analysis of the moroccan androctonus mauritanicus scorpion venom**
Khadija Daoudi, Hassan II University of Casablanca, Morocco

Video Presentation

- 14:20 - 14:45 **Spectroscopic Characterization, Crystallographic Elucidation and Dft Investigation Of 5-Fluoro-6-(4-Methylpiperazin-1-Yl)Benzo[D]Thiazol-2-Amine**
Thuraya S. Al-Harthy, A'Sharqiyah University, Oman

End of Day 2