



# IN-PERSON CONFERENCE

**PROGRAM- AT-A-GLANCE**

**Peers Alley Media**

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# SCIENTIFIC PROGRAM



6th Edition of

# ADVANCED CHEMISTRY WORLD CONGRESS

March 27-28, 2025 | London, UK

<https://advanced-chemistry.peersalleyconferences.com/>

# SCIENTIFIC PROGRAM

# DAY 01

THURSDAY

MARCH 27, 2025

08:00-08:45

Registrations

08:45-09:00

Inaugural Ceremony

Moderator

**Jose Refugio Parga Torres**, *TecNM-ITS, Mexico*

Session Chair

**Michael Thompson**, *University of Toronto, Canada*

Sessions: Analytical Chemistry | Industrial Chemistry | Agricultural Chemistry | Medicinal Chemistry | Chemical Engineering | Green Chemistry | Environmental Chemistry | Biochemistry | Organic Chemistry | Physical Chemistry | Geochemistry | Food Chemistry | Materials Science | Molecular Biology | Polymer Chemistry and Technology

09:00-09:20

Title: Nucleophilic Addition Reactions to  $d^9$  Metal (Co, Rh, Ir) Stabilized Carbocations: Reactions of  $[M(\eta^5-C_5R_5)(\eta^2\text{vinyl}-\eta^3\text{cyclopentenyl})]^+$  with  $Nu^-$  ( $OH^-$ ,  $CN^-$ ,  $OMe^-$ ,  $CH_3^-$ )

**Abul Kasem Fazlur Rahman**, *The University of Oklahoma, USA*

09:20-09:40

Title: Multiplexed Detection of Biomarkers for Early-Stage Ovarian Cancer

**Michael Thompson**, *University of Toronto, Canada*

09:40-10:00

Title: Tobacco Smoke Condensate Induces Morphologic Changes in Human Papillomavirus-Positive Cervical Epithelial Cells Consistent with Epithelial to Mesenchymal Transition (EMT) with Activation of Receptor Tyrosine Kinases and Regulation of TGFB

**Zaniya A. Mark**, *Meharry Medical College, USA*

10:00-10:20

Title: Quantitative Analysis of Thai Wetland RAMSAR Sites for Mitigating Carbon Emission and Climate Change

**Phansak lamraksa**, *Kasetsart University, Thailand*

10:20-10:40

Title: Production, Feeding and Storage of *Tetraselmis tetrathele* Paste by Electrolytic Flocculation

**Roselyn D. Usero**, *Negros Prawn Producers Cooperative, Philippines*

GROUP PHOTO 10:40-10:50

REFRESHMENT BREAK 10:50-11:10

11:10-11:30	Title: The Nexus: Nutrients – Human Diet – Health – Physical Environment <b>Jan-Olof Drangert</b> , <i>Linköping University, Sweden</i>
11:30-11:50	Title: Antimicrobial Activity and Low <i>Daphnia</i> Toxicity of Si/PVP Hybrid Material Combined with Antibiotics <b>Iliana A. Ivanova</b> , <i>Sofia University "St. Kliment Ohridski", Bulgaria</i>
11:50-12:10	Title: Restructurable Materials for Soft Actuators <b>Qing Chen</b> , <i>Spallation Neutron Source Science Center, China &amp; Institute of High Energy Physics, Chinese Academy of Science, China</i>
12:10-12:30	Title: Determination of PAHs in Grilled Marshmallows and their Selected Metabolites in Urine Samples <b>Krystyna Tyrpień-Golder</b> , <i>Medical University of Silesia, Poland</i>
12:30-12:50	Title: Hydrogeochemical Evolution Processes, Groundwater Quality and Non-Carcinogenic Risk Assessment of Nitrite-Enriched Groundwater to Human Health in Different Seasons in the Hawler (Erbil) and Bnaslawa Urbans, Iraq <b>Tawfeeq Jawhar Mohammed-Shukur</b> , <i>Van Yüzüncü Yıl University, Turkey</i>
GROUP PHOTO 12:50-13:00	
LUNCH BREAK 13:00-13:40	
13:40-13:55	Title: Assessment of Glycidyl Esters and 3-Monochloropropanediol Esters Contamination and Exposure Risks in Food <b>Wei-Ju Lee</b> , <i>Taipei Medical University, Taiwan</i>
13:55-14:10	Title: Development of Multiwalled Carbon Nanotube-Bacterial Cellulose Acetate Coated Polyethersulfone Membrane for Enhanced Dye Removal in a Submerged Membrane Reactor <b>Sukanya Karuppanan</b> , <i>Kumaraguru College of Technology, India</i>
14:10-14:30	Title: Challenges for Selective Catalytic Naphtha Reforming Products using Response Surface Methodology (RSM) <b>Rand Qusay Kadhim Al-Khafaji</b> , <i>Midland Refineries Company (MRC), Iraq</i>
14:30-14:50	Title: DFT Analysis of Electronic, Magnetic and Elastic Behavior in SmMnO <sub>3</sub> <b>Mohammed S. Abu-Jafar</b> , <i>An-Najah National University, Palestine</i>

14:50-15:10 Title: Sun-Powered Synthesis: Harnessing Multiwall Carbon Nanotube-EB Photocatalytic Magic in a Unified Photocatalytic-Biocatalytic System for Solar- Driven L-Glutamate Production from  $\alpha$ -Ketoglutarate

**Sunita Singh**, *University of Delhi, India*

15:10-15:30 Title: Economic Viability of Gallium Concentration in the Bauxite Ore at the Deposits in the Awaso Bauxite Mine, South-Western Ghana

**Nafiu Mohammed Zainudeen**, *CSIR - Institute for Scientific and Technological Information, Ghana*

15:30-15:50 Title: Subchronic Toxicity Study of Herbal Tea of *Moringa Stenopetala* (Baker f.) Cudof. and *Mentha Spicata* L. Leaves Formulation in Wistar Albion Rats

**Abinet Admas Alemneh**, *Saint Paul's Hospital Millennium Medical College, Ethiopia*

REFRESHMENT BREAK 15:50-16:10

16:10-16:30 Title: Development of Methodology for the Pilot-Scale Ultrasound Treatment for the Removal of Pesticides Residues from Fresh Leeks

**Eliot Botosoa**, *Artois University, France*

16:30-16:50 Title: Effect of Cathode Surface Area on the Electrodeposition Rate, Composition and Microhardness of Co-W Coatings Deposited from a Citrate Bath

**Gotelyak Alexandr Vyacheslavovich**, *Shevchenko Pridnestrovie State University, Moldova*

16:50-17:10 Title: Forensic Discrimination of Blue Fountain Pen Inks Based on Dielectric Constant Property

**Ozlem Simsek**, *Üsküdar University, Turkey*

17:10-17:30 Title: Biochar Synthesis using Sawdust and its Effect on Tomato Plants

**Rachna Bhatia**, *Maharshi Dayanand University, India*

17:30-17:50 Title: Recent Advances in Utilization of Biochar in Wastewater Treatment

**Meenakshi Nandal**, *Maharshi Dayanand University, India*

17:50-18:10 Title: A Novel Approach to Measure the Untraceable Amount of Cetirizine and Fexofenadine in Drinking Water

**Yasaman Parvisi**, *Islamic Azad University, Iran*

**NETWORKING**

End of Day 1

# SCIENTIFIC PROGRAM

# DAY 02

FRIDAY

MARCH 28, 2025

08:55-09:00

Introduction

Sessions: Analytical Chemistry | Industrial Chemistry | Agricultural Chemistry | Medicinal Chemistry | Chemical Engineering | Green Chemistry | Environmental Chemistry | Biochemistry | Organic Chemistry | Physical Chemistry | Geochemistry | Food Chemistry | Materials Science | Molecular Biology | Polymer Chemistry and Technology

Session Chair

**Jose Refugio Parga Torres**, *TecNM-ITS, Mexico*

Session Chair

**Ajay Agarwal**, *Indian Institute of Technology Jodhpur, India*

09:00-09:20

Title: Improved Technology for Production of High Quality Dore from Ores with Gold / Silver and Host Minerals with Copper and Lead

**Jose Refugio Parga Torres**, *TecNM-ITS, Mexico*

09:20-09:40

Title: Nanotechnologies for Bio Chemicals Detection

**Ajay Agarwal**, *Indian Institute of Technology Jodhpur, India*

09:40-10:00

Title: A Survey of Intelligent Reflecting Surfaces: Performance Analysis, Extensions, Potential Challenges and Open Research Issues

**Adil Khan**, *Xi'an Eurasia University, China*

10:00-10:20

Title: Application of Dry Grinding as an Optimisation Tool for the Surface Area Development in Geopolymer Cement Manufacturing

**Zvikomborero Lazarus Duri**, *Amity International University Haryana, India*

10:20-10:40

Title: Dependence of the Flowability of Fine Powders of Tool Steel on the Shape of Particles as Determined by the Method of Dynamic Image Analysis

**Oleksandr Radchenko**, *Frantsevich Institute for Problems of Material Science NAS of Ukraine, Ukraine*

GROUP PHOTO 10:40-10:50

REFRESHMENT BREAK 10:50-11:10

11:10-11:30	Title: Developments of Antibacterial Textiles: A New Horizon in Context of Hazardous Pollutant Degradation <b>Tanu Arefin</b> , <i>Bangladesh University of Textiles, Bangladesh</i>
11:30-11:50	Title: Bringing Cell Biology into Classroom: Tips to Culture and Observe Skeletal Muscle Cells in High School and College <b>Ryoichi Matsuda</b> , <i>Tokyo University of Science, Japan</i>
11:50-12:10	Title: Recent Advances on Plant-Based Acid-Base Indicators <b>Germildo Juvenal Muchave</b> , <i>ISCED Open University (UnISCED), Mozambique</i>
12:10-12:30	Title: Wiener Sausage and Particle Collision Frequency Factor <b>Lyakishev Vladislav Konstantinovich</b> , <i>Irkutsk State University, Russia</i>
12:30-12:50	Title: Two-dimensional MOF-Based Materials: Preparations and Applications as Electrodes in Li-ion Batteries <b>Narges Nobakht</b> , <i>Institute for Research in Fundamental Sciences (IPM), Iran</i>
GROUP PHOTO 12:50-13:00	
LUNCH BREAK 13:00-13:40	
13:40-14:00	Title: Novel Preparation of p-Sb <sub>2</sub> O <sub>3</sub> : CuO/n-Si Solar Cell: Improvement in Efficiency as a Function of Thickness <b>Khalid Haneen Abass</b> , <i>University of Babylon, Iraq</i>
14:00-14:20	Title: Photochemistry of the Retinal Chromophore in the Process of Seeing (Vision) <b>Ruhi Das</b> , <i>Bolpur College, Burdwan University, India</i>
14:20-14:50	Title: Adobe Improvement Proposal using Cassava ( <i>Manihot Esculenta</i> ) as a Stabilizer Applied to Luena-Moxico-Angola <b>Daniela Gourgel Malamba &amp; Antonia Norman</b> , <i>Higher Polytechnic Institute of Technologies and Sciences - ISPTec, Angola</i>
14:50-15:10	Title: Management Risk Factors and Associated Causes of Traffic Accidents in Arbil City, Kurdistan-Iraq <b>Muhsen Kamal Yasen</b> , <i>University of Kurdistan Hewler, Iraq</i>
15:10-15:30	Title: Evaluation of Alkaline Proteases from Rose Snapper ( <i>Lutjanus guttatus</i> ) to their Stability to Chemical Denaturants <b>Gabriela Miranda Pedroza-Toledo</b> , <i>Polytechnic University of Sinaloa (UPSIN), México</i>

REFRESHMENT BREAK 15:30-15:50

15:50-16:10 Title: Nano-Emulsified Formulation of *Mentha Piperita* Essential Oil: Development, *in vitro* and *in silico* Assessment Against Diamondback Moth, *Plutella Xylostella* (L.) (Lepidoptera: Plutellidae)

**Ankur**, Dyal Singh College, University of Delhi, India

16:10-16:30 Title: Effect of H<sub>2</sub>S Gas Flow Rate on the Stoichiometric Ratio of S:Zn and Transparency of ZnS Nanostructure Ceramic in IR Region

**Saeed Zahabi**, Malek Ashtar University of Technology, Iran

16:30-16:50 Title: Towards the Understanding of Precipitation Evolution in Two-Phase Steel: Application of A Novel Computational Model to Grain-Oriented Electrical Steel

**Vanessa Quaranta**, NLMK Group, Belgium

16:50-17:10 Title: Breathing Atom

**Navin Khaneja**, IIT Bombay, India

**NETWORKING**

End of Day 2

**BOOKMARK YOUR DATES**

7th Edition of

**ADVANCED CHEMISTRY  
WORLD CONGRESS**

March 2026 | Rome, Italy



# VIRTUAL CONFERENCE

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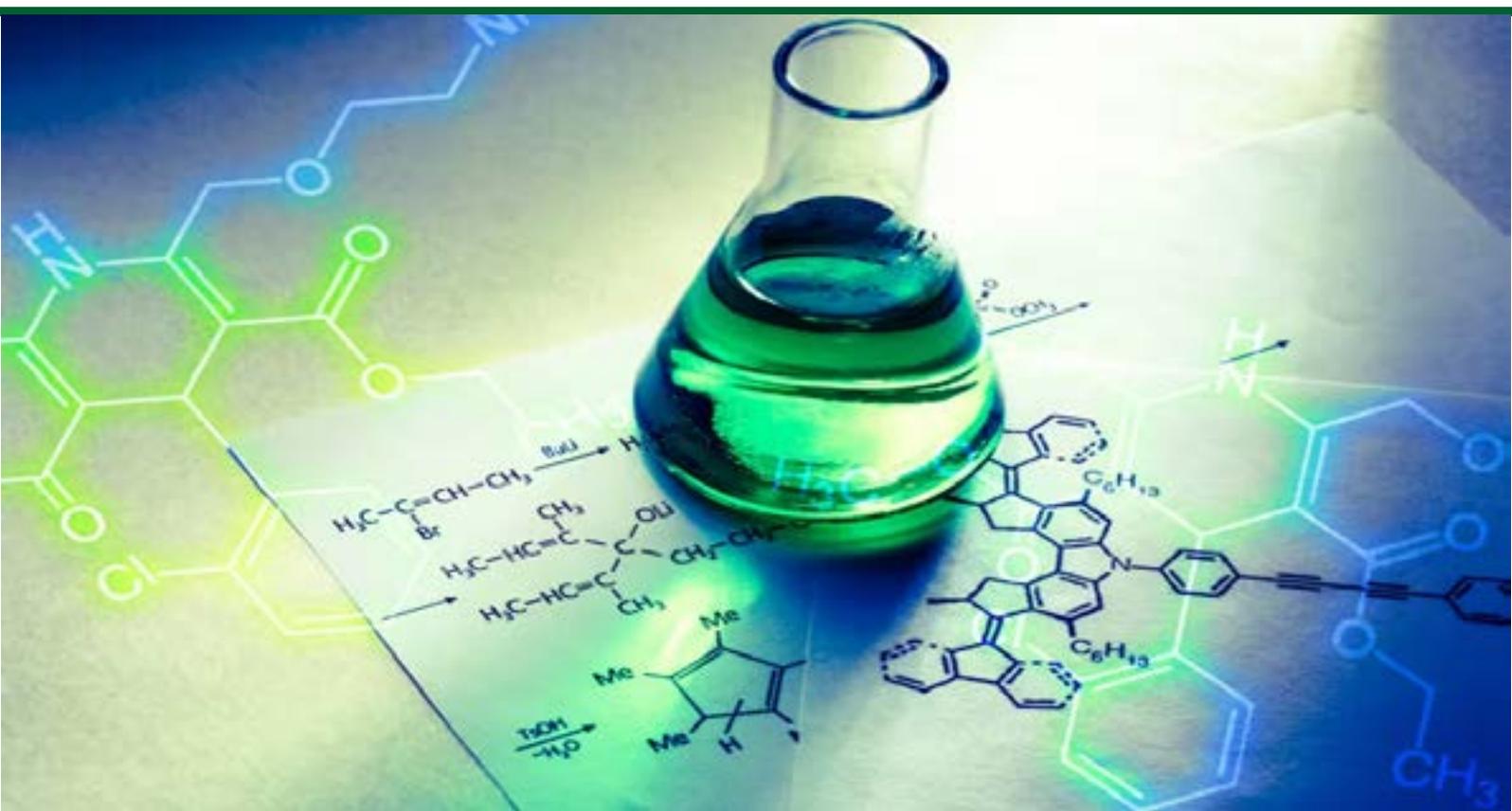
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# SCIENTIFIC PROGRAM



Virtual Event

6th Edition of

# ADVANCED CHEMISTRY WORLD CONGRESS

March 27-28, 2025

<https://advanced-chemistry.peersalleyconferences.com/>

# SCIENTIFIC PROGRAM

# DAY 01

THURSDAY

MARCH 27, 2025

06:55-07:00

Opening Ceremony

Sessions: Analytical Chemistry | Industrial Chemistry | Agricultural Chemistry | Medicinal Chemistry | Chemical Engineering | Green Chemistry | Environmental Chemistry | Biochemistry | Organic Chemistry | Physical Chemistry | Geochemistry | Food Chemistry | Materials Science | Molecular Biology | Polymer Chemistry and Technology

## DISTINGUISHED SPEAKER TALKS

07:00-07:20

Title: Chromium-Extracted Aluminum Catalyst for Co-Pyrolysis of Cotton Fabric Waste and Polypropylene Plastic Waste to Bio-Oil

**Wan Zuraida Wan Kamis**, *Universiti Teknologi MARA Cawangan Pulau Pinang, Malaysia*

07:20-07:40

Title: YidC Membrane Insertase: A Promising Target for Combating Antibiotic Resistance

**Sharbani Kaushik**, *Dr. Vishwanath Karad MIT-World Peace University, India*

07:40-08:00

Title: Green Synthesis of Diverse Heterocyclic Library as Biologically Potent Agents

**M. Sarasija**, *Satavahana University, India*

08:00-08:20

Title: Enhancing Sustainable Agriculture: The Role of Microbial Biocontrol Agents and Plant Growth-Promoting Microorganisms in Crop Management

**Beema Jainab S.I.**, *Justice Basheer Ahmed Sayeed College for Women (Autonomous), India*

08:20-08:40

Title: High Strength Hydrogel using Phenolated Lignin

**Taslima Ferdous**, *University of Dhaka, Bangladesh*

08:40-09:00

Title: Cytotoxic Effect of Isolated Coumarin Compounds of *Luisia Tenuifolia* Blume in A431 Squamous Cell Carcinoma Cell Lines

**Sakthi Priyadarsini. S**, *SRM Institute of Science and Technology, India*

09:00-09:20	Title: Dermatology Benefits of <i>Punica Granatum</i> : A Review of the Potential Benefits of <i>Punica Granatum</i> in Skin Disorders <b>Farshad Akbarnejad</b> , <i>Dr. Akhavi Lab Co, Iran</i>
09:20-09:40	Title: Assessing the Effect of Preservation Temperature on Nutrient Retention in Grain-Milk Beverage <b>H.M. Theja Herath</b> , <i>Industrial Technology Institute, Sri Lanka</i>
09:40-10:00	Title: Coupled Methyl Ethyl Ketone Condensation as a Modern Route for Associated Petroleum Gas Processing <b>Lebedev Ilya Vladislavovic</b> , <i>MIREA Russian Technological University, Russia</i>
REFRESHMENT BREAK 10:00-10:15	
10:15-10:35	Title: Novel Nanoemulsions of <i>Cymbopogon winterianus</i> and <i>Eucalyptus globulus</i> Essential Oils for Sustainable Pest Management of Lepidopteran Pest <i>Spodoptera litura</i> : Development and Bio-Efficacy <b>Alka Gupta</b> , <i>University of Delhi, India</i>
10:35-10:55	Title: Ensuring Environmental Safety of Water Resources in Alagir District: A Study of the Ardon River <b>Alan Lolaev</b> , <i>Vladikavkaz Scientific Center of the Russian Academy of Sciences, Russia</i>
10:55-11:15	Title: Green Synthesis of Nanoparticle for Detection of Hazardous Gas <b>Sharad B. Patil</b> , <i>SSMM Arts, Science and Commerce College, India</i>
11:15-11:35	Title: Spectroscopic Methods as an Alternative Tool for Determining Qualitative Changes in Edible Oils Subjected to Oxidation <b>Grażyna Neunert</b> , <i>Poznan University of Life Sciences, Poland</i>
11:35-11:55	Title: Bioactive Phytochemicals <b>Sujata V. Bhat</b> , <i>Indian Institute of Technology, India</i>
11:55-12:15	Title: Micro Electronic Speckle Pattern Interferometry on Chemical Interaction with Single Biological Cells <b>Andreas H. Foitzik</b> , <i>Technical University of Applied Sciences Wildau, Germany</i>

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12:15-12:35 Title: Unravelling the Hydrogen Bonding Patterns in Telomeric G-Quadruplexes  
**Eugène S. Kryachko**, *Bogolyubov Institute for Theoretical Physics, Ukraine*

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12:35-12:55 Title: Unlocking the Potential of Natural Rubber-Based Polymer Electrolytes: Modification, Challenges, Key Strategies, Bibliometric Insights, and Future Directions  
**Rawdah Abduh Ghaleb Whba**, *Taiz University, Yemen*

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LUNCH BREAK 12:55-13:35

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13:35-13:55 Title: Usage of the Blockchain in Pharmaceutical Field  
**Samia Aitouche**, *Batna University, Algeria*

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13:55-14:15 Title: Fourier Transform Infra-Red (FTIR) Spectroscopy: A Versatile Analytical Technique for Coal Characterisation  
**Umar Abdullahi Isah**, *University of Maiduguri, Nigeria*

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14:15-14:35 Title: First Principal Investigation of Optical and Thermoelectric Properties of Hybrid Organic-Inorganic Perovskite  $[\text{NH}_3-(\text{CH}_2)_4-\text{NH}_3]\text{MCl}_4$  Compound  
**Hafida. Ziouani**, *Moulay Ismail University, Morocco*

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14:35-14:55 Title: Design and Science: A Case Study of Meta-Textile  
**Hanan Zribi**, *Higher Institute of Arts and Crafts of Sfax (ISAMS), Tunisia*

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REFRESHMENT BREAK 14:55-15:10

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15:10-15:30 Title: Influence of the Sun on Water Structuring on the Day and Night Sides of the Earth. Manifestation of Underground Radiation. Solving the 'Water Memory' Mystery  
**Igor V. Shevchenko**, *M.P. Semenenko Institute of Geochemistry Mineralogy and Ore Formation, Ukraine*

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15:30-15:50 Title: Seasonal Variations of Landfill Leachate on *Medicago Sativa* Germination,  $\alpha$ -Amylase Activity and Metal Transfer in Soil-Plant System  
**Belasri Lamiaa**, *Hassan II University, Morocco*

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15:50-16:10 Title: The Effect of Influencer's Follower Count on Moroccan Consumer Behavior  
**Imane Margom**, *Sidi Mohamed Ben Abdellah University (USMBA), Morocco*

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16:10-16:30	Title: Routing a Quantum State in a Bio-Inspired Network <b>Elham Faraji</b> , <i>Jülich Research Center, Germany</i>
16:30-16:50	Title: Dynamic/DDDAS-Based Digital Twins for Chemical Contaminants Transport Predictions <b>Frederica Darema</b> , <i>InfoSymbiotic Systems Society, USA</i>
16:50-17:10	Title: Role of Geological Understanding in Developing Bioremediation Strategy in LNAPL Impacted Sites <b>Junaid Sadeque</b> , <i>AECOM, USA</i>
17:10-17:30	Title: Propolis: Advancing from Traditional and Complementary Medicine Toward Clinical Therapy against Infectious Diseases <b>Antonio Salatino</b> , <i>University of São Paulo, Brazil</i>
17:30-17:50	Title: Molecular Geometry: From 3D to 5D <b>Carlile Lavor</b> , <i>University of Campinas (IMECC - Unicamp), Brazil</i>
17:50-18:10	Title: Some Considerations on the Risks to Human Health of Contaminants of Emerging Concern <b>Amado Enrique Navarro Frómet</b> , <i>Universidad Tecnológica de Izúcar de Matamoros, México</i>

## NETWORKING

End of Day 1

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# SCIENTIFIC PROGRAM

# DAY 02

FRIDAY

MARCH 28, 2025

06:55-07:00

Opening Ceremony

Sessions: Analytical Chemistry | Industrial Chemistry | Agricultural Chemistry | Medicinal Chemistry | Chemical Engineering | Green Chemistry | Environmental Chemistry | Biochemistry | Organic Chemistry | Physical Chemistry | Geochemistry | Food Chemistry | Materials Science | Molecular Biology | Polymer Chemistry and Technology

## DISTINGUISHED SPEAKER TALKS

07:00-07:20

Title: Piecewise Taylor Series Enabling Algebraic Molecular Orbital Methods

**Jun Yasui**, *Kwansei Gakuin University, Japan*

07:20-07:40

Title: The Formation of Supramolecular Chiral Materials from Achiral Molecules using a Liquid-Crystallin System: Symmetry Breaking, Amplification and Transfer

**Atsushi Yoshizawa**, *Hirosaki University, Japan*

07:40-08:00

Title: An Architecture of Intelligent Tutoring System with Augmented Reality for Learning Chemistry

**Trishna Paul**, *BITS Pilani, India*

08:00-08:20

Title: Qualitative Analysis of a Novel Numerical Method for Solving Non-Linear Ordinary Differential Equations

**Sonali Kaushik**, *VIT-AP University, India*

08:20-08:40

Title: Photochemistry of the Retinal Chromophore in the Process of Seeing (Vision)

**Ruhi Das**, *Bolpur College, Burdwan University, India*

08:40-09:00

Title: Effect of *Solanum lycopersicum* and *Citrus limon* Derived Exosome-Like Vesicles on Chondrogenic Differentiation of Adipose-Derived Stem Cells

**Merve Yildırım Canpolat**, *Yeditepe University, Turkey*

09:00-09:20	Title: Study on Physicochemical Treatment Measures for the Emerging Contaminants <b>Leena Singh</b> , <i>Galgotias College of Engineering &amp; Technology, India</i>
09:20-09:40	Title: Enhancing Fe Grade and Silica Rejection using Corn and Rice Starch as Depressants through Reverse Flotation <b>V. Mitra Duggirala</b> , <i>JSW Steel Ltd, India</i>
09:40-10:00	Title: Effect of H <sub>2</sub> S Gas Flow Rate on the Stoichiometric Ratio of S:Zn and Transparency of ZnS Nanostructure Ceramic in IR Region <b>Saeed Zahabi</b> , <i>Malek Ashtar University of Technology, Iran</i>
REFRESHMENT BREAK 10:00-10:15	
10:15-10:35	Title: CAR-T Cell Therapy – A Potential Treatment Strategy for Pediatric Midline Gliomas <b>Mainak Sinha</b> , <i>All India Institute of Medical Sciences, India</i>
10:35-10:55	Title: Modulation of Media and Light to Enhance C-Phycoerythrin in <i>Phormidium</i> sp. A01 Isolated from the Indian Coast <b>Rajagopal Ramya</b> , <i>Tamil Nadu Dr. J. Jayalalithaa Fisheries University, India</i>
10:55-11:15	Title: Investigating Novel Natural Polymeric Carrier Linked Prodrugs for IBD Treatment <b>Shakuntala Chopade</b> , <i>Bharati Vidyapeeth University, India</i>
11:15-11:35	Title: Electrospun Polyurethane as a Novel Support in Heterogeneous Fenton Reaction for Highly Efficient Removal of Pollutants <b>Nikhi Maria Raju</b> , <i>Amal Jyothi College of Engineering, India</i>
11:35-11:55	Title: Beyond a Single use: Understanding the Longevity and Reusability of Fire Proximity Suit <b>Shivangi Dwivedi</b> , <i>Delhi Technological University, India</i>
11:55-12:15	Title: Studies on Degradation of Textile Dyes in Wastewater using Immobilized Photocatalyst in a Continuous Process <b>Sailu Chintha</b> , <i>Osmania University, India</i>
12:15-12:35	Title: Leaching of Elemental Heavy Metals in Deep Eutectic Solvents from Spent Zinc-Carbon Batteries <b>Jyothi Thati</b> , <i>Osmania University, India</i>

12:35-12:40	<p>Title: Modeling of the Temperature Dependence of the Diffusion Characteristics of Vacancies in BCC Iron</p> <p><b>Madina Boboqambarova</b>, <i>National Research Nuclear University MEPhI, Russia</i></p>
12:40-12:45	<p>Title: Kinetics of Vacancies Segregation Formation in Elastic Field of Edge Dislocation in BCC Iron</p> <p><b>Gusev Aleksei Andreevich</b>, <i>Institute for Theoretical and Experimental Physics named by A.I. Alikhanov of NRC "Kurchatov Institute", Russia</i></p>
12:45-12:50	<p>Title: Modelling of Diffusion Characteristics in Fe-Al Alloys</p> <p><b>G. V. Sergeev</b>, <i>National Research Nuclear University "MEPhI", Russia</i></p>
12:50-12:55	<p>Title: The Loss of Biodiversity as a Serious Environmental Threat: The Need for a New Legal Paradigm. The Interconnections between Biodiversity and Public Health</p> <p><b>Maria Vittoria Ferroni</b>, <i>Sapienza University of Rome, Italy</i></p>
12:55-13:00	<p>Title: Attaining Zero Emission via Energy Transition: A Myth or Reality</p> <p><b>John Bentil</b>, <i>Takoradi Technical University, Ghana</i></p>
LUNCH BREAK 13:00-13:35	
13:35-13:55	<p>Title: Cell Membrane Cholesterol and Regulation of Cellular Processes: New and the Same Old Thing</p> <p><b>Antonina Dunina-Barkovskaya</b>, <i>Moscow Lomonosov State University, Russia</i></p>
13:55-14:15	<p>Title: A Novel Approach to Weld Flow Analysis of Electric Resistance Welded (ERW) Tubes: Significance and Implications</p> <p><b>P. Aravind</b>, <i>Vision Research &amp; Innovation Laboratory, India</i></p>
14:15-14:35	<p>Title: Evaluation of Media Protocols for <i>in vitro</i> Propagation of an Improved Variety and Two Landraces of <i>Dioscorea rotundata</i></p> <p><b>Nana Oforiwaa Ntorinkansah</b>, <i>KNUST, Ghana</i></p>
14:35-14:55	<p>Title: Breathing Atom</p> <p><b>Navin Khaneja</b>, <i>IIT Bombay, India</i></p>
REFRESHMENT BREAK 14:55-15:10	
15:10-15:30	<p>Title: Elucidation a New Mechanism for Synthesis the New Therapeutics Organic Molecules 2,4-Diene-Aryls and Polyphenolics</p> <p><b>Mostafa Mahrouz</b>, <i>FSSM Université Cadi Ayyad, Morocco</i></p>

15:30-15:50	Title: Body and Mind in Virtual Dark Tourism Experiences and Artwork Creations: Embodied Cognition Reaction Perspectives <b>Benjamin Quarshie</b> , <i>Mampong Technical College of Education, Ghana</i>
15:50-16:10	Title: Unraveling the Enigma: Molecular Mechanisms of Berberrubine-Induced Nephrotoxicity Reversed by its Parent form Berberine <b>Kai Wang</b> , <i>Tianjin University of Traditional Chinese Medicine, China</i>
16:10-16:30	Title: Two-Dimensional MOF-Based Materials: Preparations and Applications as Electrodes in Li-ion Batteries <b>Narges Nobakht</b> , <i>Institute for Research in Fundamental Sciences, Iran</i>
16:30-16:50	Title: Towards the Understanding of Precipitation Evolution in Two-Phase Steel: Application of a Novel Computational Model to Grain-Oriented Electrical Steel <b>Vanessa Quaranta</b> , <i>NLMK Group, Belgium</i>
16:50-17:10	Title: The Importance of Financial and Non-Financial Information in Ensure the Financial State of an Economic Entites to Monitorise the Position and Financial Performance <b>Cristina Mihaela Ionescu (Haralambie)</b> , <i>Valahia University of Târgoviște, România</i>
17:10-17:30	Title: Transition Metal-Catalyzed Synthesis of Quinazoline Derivatives <b>Nitesh K. Nandwana</b> , <i>Virginia Tech University, USA</i>
17:30-17:50	Title: Statistical Inference of Missing Data Probability for Nonmonotone Missing at Random Data <b>Yang Zhao</b> , <i>University of Regina, Canada</i>
17:50-18:10	Title: Effect of Cathode Surface Area on the Electrodeposition Rate, Composition and Microhardness of Co-W Coatings Deposited from a Citrate Bath <b>Gotelyak Alexandr Vyacheslavovich</b> , <i>Shevchenko Pridnestrovie State University, Moldova</i>

## NETWORKING

End of Day 2