




IN-PERSON CONFERENCE

PROGRAM- AT-A-GLANCE



Peers Alley Media

1126 59 Ave East, V5X 1Y9, Vancouver BC, Canada

 WhatsApp No: +1 506 909 0537

Peers Alley Media
1126 59 Ave East, V5X 1Y9, Vancouver BC, Canada
WhatsApp No: +1 506 909 0537



7TH EDITION OF

ADVANCED CHEMISTRY WORLD CONGRESS

26-27
MARCH
2026



ROME, ITALY

SCIENTIFIC PROGRAM

DAY 01

THURSDAY

MARCH 26, 2026

08:00-08:30

Registrations

08:30-08:40

Inaugural 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

Session Chair

Carlos Alberto Guerrero-Fajardo, *Universidad Nacional de Colombia, Colombia*

Session Chair

Ranu Gadi, *Indira Gandhi Delhi Technical University for Women, India*

08:40-09:00

Title: Pea Pod Valorization: Exploring the Influence of Biomass/Water Ratio, Particle Size, Stirring, and Catalysts on Chemical Platforms and Biochar Production

Carlos Alberto Guerrero-Fajardo, *Universidad Nacional de Colombia, Colombia*

09:00-09:20

Title: Evaluation of Hydrogen Adsorption on Zn-Ni Alloy Coating by the Electrochemical Desorption Technique and its Permeability on AISI 1020 Steel

Eudesio Oliveira Vilar, *UFCC - Federal University of Campina Grande, Brazil*

09:20-09:40

Title: Adsorption of Heavy Metals from Aqueous Solutions using Polysaccharides Hydrogels

Adi Wolfson, *Sami Shamoon Collage of Engineering, Israel*

09:40-10:00

Title: Neural Circuit Formation and Decision Making in the Mouse Olfactory System

Hitoshi Sakano, *The University of Tokyo, Japan*

10:00-10:20

Title: Demystifying AI: Neural Networks, Transformers, and Agents for Modern Chemists

Safwan Omari, *Lewis University, USA*

GROUP PHOTO 10:20-10:30

REFRESHMENT BREAK 10:30-10:50

10:50-11:10

Title: Docosahexaenoic Acid Increases the Pro-Resolving Brain Lipid Mediators of Inflammation in Rat Pups Prenatally Exposed to Alcohol

Enrique M. Ostrea Jr., *Wayne State University School of Medicine, USA*

11:10-11:30	Title: Antibacterial and Prooxidant Activity of Sol-Gel Prepared Copper - Silica Nanocomposite Materials Iliana Atanasova Ivanova , Sofia University "St. Kliment Ohridski", Bulgaria
11:30-11:50	Title: Preparation and Characterization of Novel Lignosulfonate-Based Starch-Silica Nanocomposite (LS-SSNC) Hybrid Material for Drilling Stability Muhammad-Noorul-Anam Mohd-Norddin , Universiti Teknologi Malaysia (UTM), Malaysia
11:50-12:10	Title: Incorporating Quantum Mechanical Effects into Molecular Dynamics Simulations: A Novel Approach Yoshiaki Teranishi , National Yang Ming Chiao Tung University, Taiwan
12:10-12:30	Title: Timing Matters: An Observational Study on Circadian Effects of Spinal Anesthesia in Cesarean Delivery Evangelia Nikouli , General Hospital of Komotini, Greece
12:30-12:50	Title: The Effects of the Environment (Medium) on Nuclear Reaction Yields Houria Salah , Centre de Recherche Nucleaire d'Alger, Algeria
GROUP PHOTO 12:50-13:00	
LUNCH BREAK 13:00-13:40	
13:40-14:00	Title: Multicenter Clinical Trial for the Treatment of Obstructive Sleep Apnea with a Non-Permanent Orthodontic Intraoral Device in Children Tammarie Heit , The University of Alberta, Canada
14:00-14:20	Title: Plant Extracts Mediated Syntheses of Nanoparticles and their Effectiveness on Agricultural Pathogens Graciela M. L. Ruiz-Aguilar , University of Guanajuato, Mexico
14:20-14:40	Title: Photoregulation in <i>Xanthomonas campestris</i> : Integration of Red/Far Red and Blue Light Signals Valeria P. Conforte , Instituto de Ciencia y Tecnología Dr. César Milstein (CONICET - Fundación Pablo Cassará), Argentina
14:40-15:00	Title: Transposition and Implementation of European Union Renewable Energy Legislation in France, Italy, and Germany: A Regulatory Perspective and a Comprehensive Analysis of Opportunities and Challenges Ana Maria Fagetan , University of Rome "La Sapienza", Italy
15:00-15:20	Title: Transmembrane Homodimers Interface Identification: Predicting Interface Residues in Alpha-Helical Transmembrane Protein Homodimers using Sequential and Structural Features Bander Almalki , University of Bisha, Saudi Arabia
15:20-15:40	Title: Morphological Characterization and Health Risk Assessment of Fine Particulate Matter over the National Capital Region of India Ranu Gadi , Indira Gandhi Delhi Technical University for Women, India
15:40-16:00	Title: The Influence of Powder Particle Shape on the Macrostructure of Material Obtained by Direct Energy Deposition (DED) Oleksandr Radchenko , Frantsevich Institute for Problems of Material Science NAS of Ukraine, Ukraine

REFRESHMENT BREAK 16:00-16:20

16:20-16:40

Title: Unraveling the Structural and Functional Characteristics of Cocoonase, Trypsin, and Sericin: An Approach Towards Cocoon Softening for the Benefit of the Silk Industry

Dev Mani Pandey, *Birla Institute of Technology, India*

16:40-17:00

Title: Synthesis and Characterization of a New CrMOF using Captopril as a Linker and its Integration into Chitosan for Enhanced Optoelectronic Properties

Diary Ibrahim Tofiq, *University of Sulaimani, Iraq*

17:00-17:20

Title: Development of Rapid Chromogenic and Fluorescence Spectroscopy-Based Test Protocol to Determine Proper Heat Treatment in Goat Milk

Mangroliya Parita Alpeshbhai, *Parul University, India*

17:20-17:40

Title: Environmentally Friendly Methods for Enhancing the Biological Functions of Certain Transition Metals

Jovana Bogojeski, *University of Kragujevac, Serbia*

17:40-18:00

Title: Plant-Microbe Interactions: A Gateway to Sustainable Agriculture and Enhanced Crop Resilience

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

NETWORKING

END OF DAY 1

SCIENTIFIC PROGRAM

DAY 02

FIRDAY

MARCH 27, 2026

08:30-08:40

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

Distinguished Speaker Talks

Session Chair

Tamara POTLOG, *Moldova State University, Republic of Moldova*

Session Chair

Rina Ghosh, *St. Xavier's College, India*

08:40-09:00

Title: RUNX1: A Novel Therapeutic Target for Myocardial Infarction and Cerebral Infarction

Weihong He, *Sichuan University, China*

09:00-09:20

Title: Re-orientating Research to Deliver Innovation

David Dent, *Dent Associates Ltd, UK*

09:20-09:40

Title: CFD Simulation of the Claus Reaction Furnace with Operating Conditions: Temperature and Excess Air for Sulfur Recovery

Pablo Vizguerra Morales, *Centro Mexicano para la Producción más Limpia, Mexico*

09:40-10:00

Title: Reflections on the Role of Procedural Knowledge in the Teaching of Science

Elizabeth Vergis, *University of Alberta, Canada*

10:00-10:20

Title: The Designing of Coordination Polymers Consisting of Late-Transition Metals and Lanthanide Ions for Luminescence Enhancement

Zerihun Assefa, *North Carolina Agricultural and Technical State University, USA*

GROUP PHOTO 10:20-10:30

REFRESHMENT BREAK 10:30-10:50

10:50-11:10

Title: Interaction of "Tryptophans" with Excited State Proton Transfer Probes – An Insight through Experiments and Theory

Rina Ghosh, *St. Xavier's College, India*

11:10-11:30

Title: An Experimental Investigation into using Sewage Effluent to Capture CO₂

Salam K. Al-Dawery, *University of Nizwa, Sultanate of Oman*

11:30-11:50	Title: Comparative Economic Analysis of Batch vs. Continuous Manufacturing in Catalytic Heterogeneous Processes: Impact of Catalyst Activity Maintenance and Materials Costs on Total Costs of Manufacturing in the Production of Fine Chemicals and Pharmaceuticals Felix Mendoza Suarez , Auburn University, USA
11:50-12:10	Title: Influence of Peripheral Carboxy Group Number on Zinc Phthalocyanine Photophysics Tamara POTLOG , Moldova State University, Republic of Moldova
12:10-12:30	Title: Removal of Uranium from Aqueous Systems using Green Cellulose Biosorbent Derived from Banana (<i>Musa paradisiaca</i>) Leaves Rohit Mehra , Dr. B. R. Ambedkar National Institute of Technology, India
12:30-12:40 (Poster)	Title: Unravelling the Specific Interactions of Drugs with the Intrinsic Tryptophan Residues in Multi-Tryptophan Proteins: Spectrofluorimetric and Theoretical Approaches Priyanka Mukherjee , Asutosh College, India
	Title: Sustainable Rubber Compounds with Incorporated Biopolymer Filler Ján Kruželák , Slovak University of Technology in Bratislava, Slovakia
GROUP PHOTO 12:40-12:50	
LUNCH BREAK 12:50-13:30	
13:30-13:50	Title: Preclinical Evaluation of Sodium Copper Chlorophyllin: Chemical Basis, Pharmacokinetics, and Therapeutic Potential in Chemotherapy-Associated Toxicities Neha Ramani , Bhabha Atomic Research Centre, India
13:50-14:10	Title: Eltrombopag Olamine Induces Apoptosis in Human Breast and Hepatocellular Carcinoma Cells by the Modulation of MAPK, WNT and Caspase-Dependent Signaling Pathways Mohammad Taufiq Alam , University of Barisal, Bangladesh
14:10-14:30	Title: Assessment of Physicochemical and Antibacterial Properties of Structured Water Samples from Ota, Ogun State, Nigeria Abiodun H. Adebayo , Covenant University Ota, Nigeria
14:30-14:50	Title: Rapid and Reliable Characterization of Supersaturated Brines and Prediction of their Mining Potential – Cases of Algerian Brines Merzouk Zatout , Kasdi Merbah University, Algeria
14:50-15:10	Title: Organic Amendments Influence Soil Properties, Soil Microbial Diversity, and Winter Barley Traits in a Five-Year Field Trial with Contaminated Soils at a Former Wood Preservation Site Claudia Chiodi , University of Padua, Italy
15:10-15:30	Title: Theoretical Study of the Enhancement of the Photoconversion Efficiency on Zinc Porphyrins Dyes by Combining Electron Donor-Acceptor Theory with the BCL Model Mauricio Barrera , Independent, Chile

15:30-15:50	Title: Translational Quantitative Two-Photon Microscopy of Extracellular Matrix Remodeling Distinguishes Esophageal Squamous Cell Carcinoma from High-Grade Dysplasia I-Chen Wu , <i>Kaohsiung Medical University Hospital, Taiwan</i>
15:50-16:10	Title: Natural Products as Promising Chemotherapeutic Agents: Anti-Proliferative Effects of Coffee Extracts and Chlorogenic Acid in Hepatocellular Carcinoma Independent of Wnt/ β -Catenin Modulation Manuel Jaime Moreno Ceballos , <i>Universidad de Antioquia, Colombia</i>
REFRESHMENT BREAK 16:10-16:30	
16:30-16:50	Title: Unusual Nanofluids: Properties and Applications Valery Ya. Rudyak , <i>Novosibirsk State University of Architecture and Civil Engineering, Russia</i>
16:50-17:10	Title: Stem Cell Therapy for Hypoplastic Left Heart Syndrome: Safety, Efficacy, and Future Directions Michael Joy Dara , <i>Zaporizhzhia State Medical University, Ukraine</i>
17:10-17:30	Title: Development of CdS/ZnS Core-Shell Quantum Dot-Based MicroPADs for Sensing Applications Sourav Sarkar , <i>North-Eastern Hill University, India</i>
17:30-17:50	Title: Beyond Formal Law: Harnessing African Indigenous Knowledge to Foster Green Marketing Governance and Sharing Economy Chipo Mutongi , <i>Midlands State University, Zimbabwe</i>
NETWORKING	
END OF DAY 2	

BOOKMARK DATES

8TH EDITION OF

ADVANCED CHEMISTRY WORLD CONGRESS

March 2027 | Vienna, Austria

Adv. Chemistry 2026



PARTNERSHIP OPPORTUNITIES WITH JOURNALS AND PUBLISHING HOUSES

Peers Alley Media is actively seeking meaningful collaborations with **publishing houses** and **individual journal owners** to support and strengthen the global scientific community. We are particularly interested in forming **partnerships** or exploring **acquisition opportunities** with journals that align with our mission to advance high-quality scientific research and promote open knowledge sharing.

Our approach is flexible and adaptable to suit your preferred terms and comfort. With a dedicated and experienced team, we are well-equipped to support and enhance journal operations through professional and collaborative engagement.

If you are open to discussing potential synergies, we would be delighted to connect at your convenience.

For further communication, please contact us at:

contact@peersalley.com

BOOKMARK YOUR DATES

8th Edition of

ADVANCED CHEMISTRY WORLD CONGRESS

March 2027 | Vienna, Austria




VIRTUAL CONFERENCE

PROGRAM- AT-A-GLANCE

Peers Alley Media

1126 59 Ave East, V5X 1Y9, Vancouver BC, Canada

 WhatsApp No: +1 506 909 0537

Peers Alley Media

1126 59 Ave East, V5X 1Y9, Vancouver BC, Canada

WhatsApp No: +1 (506) 909-0537

SCIENTIFIC PROGRAM



VIRTUAL EVENT

7TH EDITION OF

ADVANCED CHEMISTRY WORLD CONGRESS

MARCH 25-27, 2026

SCIENTIFIC PROGRAM

DAY 01

WEDNESDAY

MARCH 25, 2026

(GMT) Greenwich Mean Time

07:35-07:40

Welcome Note

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

07:40-08:00

Title: Integrating Biotic and Abiotic Worlds Toward Emotional Satisfaction

Shuichi Fukuda, *Keio University, Japan*

08:00-08:20

Title: Molecular Insights and Cytotoxic Evaluation of Newly Synthesized N-(Acridin-9-yl)-N-(2-Substituted Benzoyl) Compounds

Hemalatha Kanagarajan, *Saveetha University, India*

08:20-08:40

Title: Plastic Waste Pyrolysis by Application of Radiation Technology

Gurbanov Muslim Axmed, *Institute of Physics of the Ministry of Science and Education, Azerbaijan*

08:40-09:00

Title: Digital Chemistry for Smart Cities: Cross- Disciplinary Framework using AI, IoT & Chemical Sensors

Aditya Singh, *Amrita Vishwa Vidyapeetham, India*

09:00-09:20

Title: Identification and Prioritization of Barriers to Smart Waste Management Systems in the Textile and Apparel (T&A) Industry

Monabbir Rafsan Fahim, *Bangladesh University of Textiles, Bangladesh*

09:20-09:40

Title: Real-Time Water Quality Assessment using a Multisensor IoT Monitoring System

R. Priscilla Joy, *Karunya Institute of Technology and Sciences, India*

09:40-10:00

Title: Morphological and Mechanical Analysis of Epoxy-Chicken Feather Fiber Composites with COMSOL-Assisted Simulation

Zainab Waheed Abdullah, *Middle Technical University, Iraq*

REFRESHMENT BREAK 10:00-10:15

10:15-10:35 Title: Resveratrol and Selenium Nanoparticles: A Biochemical and Molecular Assessment for the Treatment of Type 2 Diabetes and Associated Complications

Mahmoud Balbaa, *Alexandria University, Egypt*

10:35-10:55 Title: Modeling of the Temperature Dependence of the Diffusion Characteristics of Vacancies in BCC Titanium

Madina Boboqambarova, *National Research Nuclear University MEPhI, Russia*

10:55-11:15 Title: Spectroscopic, Structural, and Computational Characterization of a Novel Piperidyl-Sulfonyl-Thiazolidinone Derivative

M. Sarasija, *Satavahana University, India*

11:15-11:35 Title: Investigation of Biopesticides for the Pest Control through Inhibition of the Acetylcholinesterase Purified from *Loxostege Sticticalis* (L.) (Lepidoptera: Crambidae)

Demet KIZIL, *Bursa Technical University Central Research Laboratory, Turkey*

11:35-11:55 Title: Failure Analysis of a Heavy-Duty Fastener used in Hydraulic Systems: An Inspiring Study

Aravind P, *AVH Innovations and Metallurgical Laboratory, India*

11:55-12:15 Title: Isotropic Phase of nematogens: Solving Landau–de Gennes Modelling Problems

Aleksandra Drozd-Rzoska & Sylwester J. Rzoska, *Institute of High Pressure Physics "Unipress", Poland*

12:15-12:35 Title: Green Nanotechnology Approaches for Sustainable Drilling Fluid Formulations

Borkha Mech, *Dibrugarh University, India*

12:35-12:55 Title: Future Directions of the Heterogeneous Catalysis: Polyoxometalate-Based Covalent Organic Frameworks

Arash Ebrahimi, *Comenius University in Bratislava, Slovakia*

LUNCH BREAK 12:55-13:35

13:35-13:55 Title: Near-Infrared Spectroscopic Detection of Chemical Signatures Associated with External Flavor Addition in Green Coffee

Jaime Daniel Bustos Vanegas, *Universidad Surcolombiana, Colombia*

13:55-14:15 Title: Evaluation of the Effect of Precursor NMC622@TiO₂ Core-Shell Powders using a Prelithiated Anode from Fig Seeds: Spotlight on Li-Ion Full-Cell Performance

Rawdah Abdul Ghaleb Whba, *Taiz University, Yemen*

14:15-14:35 Title: Bridging Empirical Formulations and Machine Learning Approaches For Soil Infiltration Modeling in the Mitidja Plain

Mazighi Amina, *Higher National School of Hydraulics of Blida, Algeria*

14:35-14:55 Title: Contaminants of Emerging Concern on Microplastics Found in the *Chrysaora chesapeakei* of the Patuxent River, Chesapeake Bay, MD

Carol Adrienne Smith, *Morgan State University, USA*

14:55-15:15 Title: Actinobacteria from Nocardiaceae Family as Nanomaterial Factories

Lucía Ortega Cabello, *Universidad Autónoma Metropolitana, Mexico*

15:15-15:35 Title: Sulfonation Degree by different Analytical Techniques for Sulfonated Aromatic Polymers

Juan Carlos Sanchez Hiza, *Centro de Investigación en Química Aplicada, México*

15:35-15:55 Title: Sensitive Lophine Layer for the Detection of Hydrogen Ions (H⁺)

Pedro Marcos Velasco Bolom & Jorge Luis Camas Anzueto, *Tecnológico Nacional de México/Instituto Tecnológico de Tuxtla Gutiérrez, México*

15:55-16:15 Title: From Chemical Characterization to Biological Function: Bioactive Compounds from Brazilian Tropical Fruit Byproducts

Jailane de Souza Aquino, *Federal University of Paraíba (UFPB), Brazil*

NETWORKING

END OF DAY 1

SCIENTIFIC PROGRAM

DAY 02

THURSDAY

MARCH 26, 2026

(GMT) Greenwich Mean Time

07:35-07:40

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

Distinguished Speaker Talks

07:40-08:00

Title: Automated Multimodal Materials Analysis: A Unified Pipeline for Experimental Characterization Data with ML-Based Nanostructure Identification

Kavitha Jayaram, B N M Institute of Technology, India

08:00-08:20

Title: Fluorescent Chemosensors in the Detection of Ultra-Trace Quantity of Toxic Hg^{2+} , Pb^{2+} , Al^{3+} , F^- , AsO_4^{3-} & AsO_3^{3-} in Water Towards Monitoring Human Health and Management

Samir Kanti Datta, University of Calcutta, India

08:20-08:40

Title: A Comparative Analysis of Deep Learning and Machine Learning Models for Fruit and Fruit Disease Recognition: Applications to Citrus, Guava, and Mango

Sayedra Rahnuma Akthar, Independent University Bangladesh, Bangladesh

08:40-09:00

Title: Uncertainty-Based Efficient Neutrosophic Imputation Methods for Population Mean

Vishal Kumar, Central University of Haryana, India

09:00-09:20

Title: Integration of Technologies to Study the Interference Effect of Coexisting Ions through Algorithmic Analysis

Parul Taneja, Indian Institute of Technology Guwahati, India

09:20-09:40

Title: Synergistic *Artemisia Monosperma* with Royal Jelly: Antibacterial, Antioxidant, Antibiofilm, and Anti-Alzheimer Potential

Sally Said Ibrahim Ehmedan, Arish University, Egypt

09:40-10:00 Title: Exploring the Functional Food Potential of *Grand Naine* Banana Flour (GBF) as a Prospective Weaning Formulation by Developing GBF-Based Composite Flour Mixes

Mamoni Das, *Assam Agricultural University, India*

REFRESHMENT BREAK 10:00-10:15

10:15-10:35 Title: Development of Herbal Toothpaste against Tooth-Associated Ailments

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

10:35-10:55 Title: The Role of Supply Chain Agility and Resilience in Enhancing Firm Performance

Esra Nur GOKHAN, *Beykoz University, Turkey*

10:55-11:15 Title: Global Market Trends in Biomedical Sensors: Materials, Device Engineering, and Healthcare Applications

V. R. Palanivelu, *Periyar University, India*

11:15-11:35 Title: Evaluation of Testicular Protective Effects of *Prunus Amygdalus* and Zinc Against Cadmium Induced Toxicity in Rats

Faiza Zubair, *University of Sargodha, Pakistan*

11:35-11:55 Title: Biochemical Profiling of Freshwater Fish Species from the North-Western Himalayas

Rakesh Kumar Thakur, *Central University of Himachal Pradesh, India*

11:55-12:15 Title: Hydrochemical Assessment and Environmental Value of Karst Springs in Vlore County, Albania

Marinela Muco & Fatlinda Shkurti, *"Ismail Qemali" University, Albania*

12:15-12:35 Title: Recent Developments in Directed Metal-Catalyzed C-H Bond Functionalization

Hamad H. Al Mamari, *Sultan Qaboos University, Sultanate of Oman*

12:35-12:55 Title: Analyzing Twitter and Youtube Posts for Identifying Influencers of Apple Products in the Bangalore Region: A Comprehensive Study with Sentiment Analysis

Purushottam Bung, *RV Institute of Management, India*

LUNCH BREAK 12:55-13:35

13:35-13:55 Title: Unlocking the Energy Potential of Moroccan Bentonite Clay: Structural, Optical, and Thermal Insights for Advanced Applications

Noura El Ghouali, *Mohammed V University in Rabat, Morocco*

13:55-14:15 Title: SPH Framework for Solid–Fluid Interaction

Elías Jeffersson Santacruz Yunga, *ESPOL Polytechnic University, Ecuador*

14:15-14:35 Title: The Chemistry of Stradivari and Guarneri—The Defining Aspect of their Excellence

Joseph Nagyvary, *Texas A&M University, USA*

14:35-14:55 Title: Comparative Economic Analysis of Batch vs. Continuous Manufacturing in Catalytic Heterogeneous Processes: Impact of Catalyst Activity Maintenance and Materials Costs on Total Costs of Manufacturing in the Production of Fine Chemicals and Pharmaceuticals

Felix Mendoza Suarez, *Auburn University, USA*

14:55-15:15 Title: Carbazole Derivatives as Platforms for Luminescent Organic and Hybrid Crystalline Materials

Alonso Acosta Vera, *University of Rochester, USA*

15:15-15:35 Title: Fate of Micro- Nanoplastics in Treatment Wetlands

Amado Enrique Navarro Frómet, *Universidad Tecnológica de Izúcar de Matamoros, México*

15:35-15:55 Title: Direct Determination of 2, 4-D in Natural Water Samples by Solid Surface Fluorescence

María Carolina Talio, *INQUISAL-CONICET, Argentina*

15:55-16:15 Title: ESG Challenges in the Social Context of the Animal Protein Based Food Sector: The Brazilian Case

Juliana Damaris Candido de Lima, *Universidade Federal Fluminense, Brazil*

NETWORKING

END OF DAY 2

MARCH 27, 2026

(GMT) Greenwich Mean Time

07:15-07:20

Introduction

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

07:20-07:40

Title: Effects of Novel Fulvic Acid Amendments on Soil Structural Stability and Organic Carbon-Nitrogen Pools in Three Agro-Ecological Soils

Hafeezullah Babar, Agriculture Research Centre, Soil Fertility Research Institute, Pakistan

07:40-08:00

Title: Chapter-Wise Question Generation from Academic Book PDFs Using Generative AI

Dhiraj Ghanshyam Karwatkar, TGPCET, India

08:00-08:20

Title: Promising Materials for Optoelectronics CdIn_2S_4 : Experimental Studies of Electronic Properties

Zafar Kadiroglu, Ministry of Science and Education, Republic of Azerbaijan

08:20-08:40

Title: Application of Liquid Biofertilizers Derived from Industrial Effluents for Legumes: An Option of Sustainable Waste Management

Sunita Chauhan, Kumarappa National Handmade Paper Institute (KNHPI), India

08:40-09:00

Title: Persistence of Information in the Quantum Measurement Problem

Shantena Augusto Sabbadini, Pari Center, Italy

09:00-09:20

Title: cfDNA Liquid Biopsy: Revolutionizing Breast Cancer Diagnostic, Prognostic & Precision Oncology

Heba Kamel Mahmoud Badawy, Sinai University, Egypt

09:20-09:40

Title: AI Driven Algorithms for Predictive Compound Design and Optimization in Drug Discovery

Subhranil Das, School of Computer Science UPES, India

Title: River and Groundwater used for Irrigation of Agricultural Crops

09:40-10:00

Smailov Eltar Ablametovich & Sydykbaeva Telegey Israyilovna

International Kyrgyz-Uzbek University named after B. Sydykov, Kyrgyzstan

National Academy of Sciences of the Kyrgyz Republic, Kyrgyzstan

REFRESHMENT BREAK 10:00-10:15

Title: Contributions of Debye-Waller Factors and EXAFS to Materials Chemistry Based on Advanced Anharmonic Correlated Einstein Model

10:15-10:35

Nguyen Van Hung, *University of Economics - Technology for Industries, Vietnam*

Title: Spatial Mapping of Soil Salinity in a Semi-arid Region using a Machine Learning Model Based on Spectral Indices and Ground Data

10:35-10:55

Khalid EL BAHJAOUY, *University Sultan Moulay Slimane, Morocco*

Title: An Innovative Way to use an Extract of the Viticulture By-Products

10:55-11:15

Zulfiya Shakiryanova, *M. Auezov South Kazakhstan Research University, Kazakhstan*

Title: Minority Power: Driving Change through Social Influence

11:15-11:35

Imane MARGOM, *Sidi Mohamed Ben Abdellah University (USMBA), Morocco*

Title: FasalNirog: A Multimodal AI-Driven Web Platform for Crop Disease Diagnosis and Expert-Guided Support

11:35-11:55

Sujata S. Kulkarni, *Bhartiya Vidya Bhavans Sardar Patel Institute of Technology, India*

Title: Effects of Electron Beam Irradiation on the Physicochemical, Functional, Nutritional Properties, and Microstructure of Millet Flour (*Pennisetum glaucum* L.R.Br.)

11:55-12:15

Dely Maissa, *University of Carthage, Tunisia*

Title: Assessment of Oropharyngeal Dysphagia in Patients with Rheumatoid Arthritis

12:15-12:35

Dina Wael Ibrahim, *Beni-suef University, Egypt*

Title: Spatial access differentials to healthcare facilities: A secondary analysis of the Democratic Republic of Congo

12:35-12:55

Elizabeth Avosuahi Dania, *The University of the Western Cape, South Africa*

LUNCH BREAK 12:55-13:35

13:35-13:55 Title: AI Meets Reality: Detecting Rice Diseases in Benin — A Bibliometric and Field Perspective
HOUNGUE Y. Pélagie Elyse, *Université d'Abomey-Calav-IMSP, Bénin*

13:55-14:15 Title: Catalytic Functions for Hydrogen Production and Storage
Ernest Ilisca, *Storage of Hyperfine Hydrogen for Transport, France*

14:15-14:35 Title: Discovery of a Novel Small Molecule Degradator of Mutant Estrogen Receptors using DNA Encoded Libraries
Murugesan Palaniappan, *Baylor College of Medicine, USA*

14:35-14:55 Title: Effective Preparation for STEM Learning in Early Childhood
Jabari Mahiri, *University of California Berkeley, USA*

14:55-15:15 Title: Multiphysics Simulation and Machine Learning for Intelligent Optimization of Coffee Roasting Processes
Jaime Daniel Bustos Vanegas, *Universidad Surcolombiana, Colombia*

NETWORKING
