

**ADV. CHEMISTRY**

**8TH EDITION 2027**



**Global Chemistry  
Community and Network**

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8TH EDITION OF

# ADVANCED CHEMISTRY WORLD CONGRESS

**Theme:** Chemistry for Sustainable  
Global Progress and Technological  
Innovations

**2027**

**MARCH 18-19**

**VIENNA, AUSTRIA**



## SUB THEMES

- Sustainable Chemical Processes and Materials
- Chemistry in Industry and Entrepreneurship
- Chemoinformatics and Data Science in Chemistry
- Resilient Technologies for Environmental Protection
- Energy Sustainability and Renewable Resources
- Global Health and Biomedical Innovations
- Cross-Sector Collaboration and Policy Initiatives
- Circular Economy and Waste Management
- Climate Change Mitigation and Adaptation
- Ethics, Safety, and Responsible Conduct in Chemistry
- Smart and Sustainable Cities

## WHY TO ATTEND?

### What you take

Attending a chemistry conference provides a valuable opportunity to engage with leading experts, discover the latest advancements in chemical research, and explore emerging trends in various fields of chemistry. It is an essential platform for career growth, offering opportunities to enhance scientific knowledge, refine technical skills, and foster collaborations with fellow researchers and industry professionals. By attending, you gain access to groundbreaking discoveries and innovative solutions that shape the future of chemistry.

125  
+



**EDUCATIONAL  
SESSIONS**

60  
+



**INTERNATIONAL  
SPEAKERS**

20  
+



**HOURS OF  
NETWORKING EVENTS**

12  
+



**INNOVATIVE  
FEATURED SPEAKERS**

02



**02 Day  
Conference**

# WHO SHOULD ATTEND?





## Prof. Safwan Omari

Lewis University, USA



Dear Colleagues and Fellow Researchers,

It is a great pleasure to extend a warm welcome to the **8th Advanced Chemistry World Congress**, to be held on **March 18–19, 2027**, in the beautiful city of **Vienna, Austria**.

I had the privilege of participating in last year's event and left deeply impressed and inspired. I thoroughly enjoyed the experience and learned a great deal from my interactions with colleagues whose perspectives and approaches were refreshingly different from my own. We live in a world of true interdisciplinary collaboration, one that is profoundly amplified by artificial intelligence. The need for disciplines to intertwine, learn from one another, and share insights has never been more essential. Only through such cross-pollination can we hope to tackle the complex science and engineering challenges of the next generation. AI stands out as a uniquely powerful facilitator: it not only bridges different fields but also opens entirely new ways to address problems that, just a few years ago, many researchers considered out of reach.

I strongly encourage you to participate in **Adv. Chemistry 2027**, even if your primary research lies outside traditional chemistry. This conference provides an exceptional environment for researchers from around the world and from diverse disciplinary backgrounds to exchange expertise on foundational problems and to debate innovative, interdisciplinary solutions. Whether your work is in materials science, computational modeling, environmental chemistry, or any allied field, your voice and contributions will enrich the dialogue and help shape the future of the discipline.

I look forward to seeing many of you in Vienna next March and to continuing the vibrant conversations that made the 2026 congress so memorable.

Sincerely,

**Safwan Omari,**

Lewis University, USA



## Prof. Graciela M. L. Ruiz-Aguilar

University of Guanajuato, Mexico



Dear Colleagues,

I am pleased to invite you to participate in the **8th Advanced Chemistry World Congress**, to be held on **March 18–19, 2027**, in **Vienna, Austria**.

I consider its multidisciplinary nature one of its greatest strengths. It offers a valuable opportunity to share knowledge, learn from different perspectives, and build academic connections across fields.

I warmly encourage you to join this international event and present your work to a diverse scientific audience.

I hope Adv. Chemistry 2027 will inspire meaningful discussions and future collaborations.

Sincerely,

**Graciela M. L. Ruiz-Aguilar**

University of Guanajuato, Mexico



## Dr. Oleksandr Radchenko

Frantsevich Institute for problems of material  
Science NAS of Ukraine, Ukraine



Dear colleagues!

I sincerely invite you to participate in the upcoming **8th World Congress on Advanced Chemistry!**

I had the pleasure of being a participant in the 7th World Congress on Advanced Chemistry, which took place in Rome on 26th and 27th March, 2026, and I can confidently say that this is an extremely valuable platform for the exchange of scientific ideas, experience and the establishment of professional contacts.

This event was remembered for its high level of organization, interesting reports and open, constructive atmosphere of discussions. I am convinced that the upcoming conference will also be an important event for all participants and will contribute to the emergence of new ideas and scientific results.

I wish you fruitful work, inspiration, meaningful discussions and useful acquaintances. May participation in the Congress bring new opportunities for development and cooperation!

With best wishes,

**Oleksandr Radchenko**

Frantsevich Institute for problems of material Science NAS of Ukraine, Ukraine

# PRESENTATION FORUM



01

## **KEYNOTE FORUM / MINI-PLenary SESSIONS**

Presentations under Keynote Forum or Mini-Plenary Sessions includes abstracts with remarkable research value selected by the program committee. These significant speeches are delivered by globally recognized honorable speakers and it is open to all registrants.

## **DISTINGUISHED SPEAKERS FORUM (ORAL ABSTRACT SESSIONS)**

In this forum, speakers and experts of the research field gets an opportunity to showcase their noble research work that involves comprehensive research findings. These formal oral presentations include a wide range of talks covering basic research to advanced research findings in accordance to the theme and scientific sessions of the conference.

02

03

## **STUDENT FORUM / POSTER SESSION**

This session is particularly introduced to encourage more number of student participation at international conferences, however it is not restricted only to students since it is also available for the participants with language barrier. There are specific guidelines to be followed to prepare the poster. Poster topic should be selected only from relevant scientific sessions with in-depth technical details.

## **YOUNG INVESTIGATORS FORUM**

An exclusive opportunity for students and young investigators to present their research work through a formal oral presentation. Young Investigators Forum provides a global platform for young researchers and scholars to showcase their valuable contribution to the scientific world and to get acknowledged by the global scientific community of experts. It is an excellent opportunity to recognize young scientific assets with promising research ideas. These oral presentations are of shorter time duration with 10-15 minutes of informative and precise presentations in relevant scientific sessions.

04

05

### **EDUCATIONAL WORKSHOPS/RESEARCH WORKSHOPS/ CORPORATE WORKSHOPS/MINI- SYMPOSIA**

With an aim of transferring knowledge among the participants, workshops are introduced as a part of international conferences. These interactive and occasionally practical sessions gives an opportunity for participants to engage in detail discussion. Workshops are mostly scheduled for 60 to 90-minutes. It may range from learning about a specific topic relevant to international education, products and research which sometimes involves practical demonstration. It helps in enhancing skills, knowledge and understanding of the research field in depth through interactive discussions.

### **HIGHLIGHTS OF THE DAY SESSIONS**

"Highlights of the Day Sessions" is introduced to discuss and focus a ray upon previous day ORAL ABSTRACT presentations by experts to summarise the key findings. It helps in getting better insights into the various dimensions of the topic.

06

07

### **MEET THE PROFESSOR @ NETWORKING SESSIONS**

This session involves open discussion between the experts and session attendees, it gives enough time for getting answers to specific questions and doubts. It is an opportunity for attendees to increase their professional networking, sometimes also leads to an excellent collaboration opportunity.

### **EDUCATIONAL SESSIONS/ TRAINING PROGRAMS**

Educational Sessions or training programs are specifically designed for a better understanding of the latest findings and technologies. These are generally 45-minute sessions that gives an exposure to the multidisciplinary field, that provides in-depth learning experiences and address educational needs.

08

## ACADEMIC REGISTRATIONS

## BUSINESS REGISTRATIONS

01

### Speaker Registration

#### COMBO A

(Registration +  
2 Night Accommodation)

#### COMBO B

(Registration +  
3 Night Accommodation)

### Delegate Registration

02

### Speaker Registration

#### COMBO A

(Registration +  
2 Night Accommodation)

#### COMBO B

(Registration +  
3 Night Accommodation)

### Delegate Registration

## STUDENT REGISTRATIONS

### Registration

YIF

#### COMBO A

(Registration +  
2 Night Accommodation)

#### COMBO B

(Registration +  
3 Night Accommodation)

### Posters

03

## ADDITIONAL REGISTRATIONS

### Accompanying Person

E-Poster

Virtual Presentation

Workshops

Start-Ups

04



# REGISTER & PARTICIPATE

ADV. CHEMISTRY 2027



# CONCURRENT

## EDUCATIONAL SESSIONS

THURSDAY - MARCH 18, 2027



- Analytical Chemistry
- Agricultural Chemistry
- Biochemistry



- Chemistry of Transition Elements
- Chemical Engineering
- Electrochemistry

GROUP PHOTO | COFFEE BREAK



- Environmental Chemistry
- Food Chemistry
- Forensic Chemistry



- Geochemistry
- Green Chemistry
- Heterocyclic and Macrocyclic Chemistry

LUNCH BREAK



- Industrial Chemistry
- Inorganic Chemistry
- Leather Chemistry and Technology



- Ligno-cellulose Chemistry and Technology
- Materials Science
- Metallurgy

GROUP PHOTO | COFFEE BREAK



- Molecular Biology
- Nanomaterials



- Natural Products, Amino Acids and Peptide Chemistry
- Medicinal Chemistry

# CONCURRENT EDUCATIONAL SESSIONS

FRIDAY - MARCH 19, 2027



- Neurochemistry
- Organometallic and Organometalloid Chemistry



- Packaging and Packing Materials
- Pesticides
- Petrochemistry

GROUP PHOTO | COFFEE BREAK



- Photo-Chemistry and Clean Energy
- Physical Chemistry
- Polymer Chemistry and Technology



- Radiochemistry
- Waste Recycling and Management
- Organic Chemistry

LUNCH BREAK



- Nanopesticides
- Enantioselective Organocatalysis
- Solid-State Batteries



- Flow Chemistry
- Mechanochemistry and Reactive Extrusion
- MOFs

GROUP PHOTO | COFFEE BREAK



- Directed Evolution of Enzymes and Binding Proteins
- Reversible Deactivation Radical Polymerisation RDRP



- Turning Polymers back into Monomers-Depolymerization
- 3D Bioprinting

# 8TH EDITION OF ADVANCED CHEMISTRY WORLD CONGRESS

**ADV. CHEMISTRY**  
8TH EDITION **2027** 

**MARCH 18-19, 2026**  
**VIENNA, AUSTRIA**

<https://www.chemistryconferences.com/>

## Featured Speakers

**Michael Haas**

University of Hawai'i, USA

**Enrique M. Ostrea**

Children's Hospital of Michigan, USA

**Ann Nalley**

Cameron University, USA

**Himali Upadhyay**

Florida International University, USA

**Gerald J. Kost**

University of California, USA

**Clara Beatryz Gomes Vieira**

Regional University of Cariri, Brazil

**Orlando Armando Elguera Ysnaga**

University of Sao Paulo(IQSC-USP), Brazil

**Laffert Gomes Ferreira da Silva**

Instituto Federal de Rondônia, Brazil

**Leila Afjehi**

University of Vienna, Austria

## Presentation Titles

Foreign Policy Decision-Making Code:  
Options Analysis

DHA (Docosahexaenoic acid) Significantly  
Improves the Neurobehavioral Outcome of  
Offspring of Alcoholic Pregnant Rats

Microwave Synthesis in Undergraduate  
Research and Laboratory Experiments

Can AI Smell Like a Dog? VOC-Based  
Detection of Invasive Giant African Snails

Critical Medical Decision Thresholds for  
the 21st Century

Preliminary kinetic assessment of nitrate  
adsorption using construction and  
demolition waste materials

Qualitative and Semiquantitative  
Determination of the Atomic and  
Molecular Tungsten Distributions in Hybrid  
Hydroxyurethanes–Poly(dimethylsiloxane)  
Films Containing Phosphotungstates  
([PW12O40]3-)

Passive diffusion in Stratum corneum  
membrane of hybrid nanoemulsions based  
on Carapa guianensis oil and  $\text{Fe}_3\text{O}_4$   
nanoparticles

Decoding Complexity: Advancing Mass  
Spectrometric Sensitivity, Dynamic Range,  
Reproducibility, and Molecular Depth of  
Proteome



## SPEAKER SLOTS AVAILABLE

|                                                                                                                 |                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Daniela Cascavita Mendieta</b><br>Universidad Militar Nueva Granada, Colombia                                | <b>Detection of Deepfakes in Images Using Convolutional Neural Networks</b>                                                                                                   |
| <b>Carlos Alberto Guerrero Fajardo</b><br>Universidad Nacional sede Bogotá, Colombia                            | <b>Lignocellulosic Activated Carbon as a Powerful Glyphosate Adsorption Agent in Contaminated Water</b>                                                                       |
| <b>Matthew Ezema</b><br>Carleton University, Canada                                                             | <b>Food-derived antioxidant peptides undergo oxidative transformations that may alter their function and safety</b>                                                           |
| <b>Alfred Ndjekadom</b><br>Jiangsu University, China                                                            | <b>Mechanisms biomarkers and therapeutic strategies of human endogenous retroviruses in cancer</b>                                                                            |
| <b>Keshav Malhotra</b><br>University of Manitoba, Canada                                                        | <b>Limitation of using infinite couple diffusion coefficient for predicting diffusion in finite couple</b>                                                                    |
| <b>Cintya Valerio Cárdenas</b><br>Universidad Popular de la Chontalpa, Mexico                                   | <b>From Invasive Biomass to Advanced Materials: The Potential of Camalote grass (<i>Paspalum fasciculatum</i>)</b>                                                            |
| <b>Alberto Robledo</b><br>Universidad Nacional Autónoma de México, Mexico                                       | <b>Complex Systems Science: From Empiricism to Phenomenology</b>                                                                                                              |
| <b>Amado Enrique Navarro Frómata</b><br>Universidad Tecnológica de Izúcar de Matamoros, México                  | <b>Moringa: a source of applications for society</b>                                                                                                                          |
| <b>Amin F. Majdalawieh</b><br>American University of Sharjah, UAE                                               | <b>Re-engineering of natural product architectures en route to the asymmetric and diastereoselective synthesis of pseudo-natural products</b>                                 |
| <b>Mohammad Kamil</b><br>Lotus Holistic Health Institute, UAE                                                   | <b>New Natural Products from Plants with Special Reference to Novel Flavonoids and Biflavonoids</b>                                                                           |
| <b>Lingling Wang</b><br>Chair of Inorganic and Metal-Organic Chemistry, Technical University of Munich, Germany | <b>Electrocleavage Synthesis of Molecular-Level Hybrid COF/Single-Layer MOF-derivative MOOH Catalysts with Interface-Heterojunction for Biomass Electrooxidation Reaction</b> |
| <b>Ahmed Boutejdar</b><br>Institute of Electrical Engineering, Germany                                          | <b>Design and Implementation of Compact UWB Microstrip Filter Antenna Using DGS- and Multilayer Techniques for advanced wireless communication systems</b>                    |



**SPEAKER SLOTS AVAILABLE**

**Nadrahtul Huda Misral**

Universiti Sains Islam Malaysia, Malaysia

Development of an Electrochemical Pb(II) Ion Sensor Utilizing Organic BIM-Loaded SBA-15 Electrodes

**Ong Meng Chuan**

Universiti Malaysia Terengganu, Malaysia

Sediments Tell the Story: Tracking Sources, Fate, and Risks of Potentially Toxic Elements

**Areej Theeb**

Universiti Sains Malaysia, Malaysia

AI-Driven Adaptive Formative Feedback for Programming Education: An Explainable Large Language Model Framework with Cross-Disciplinary Potential for Chemistry and STEM Education

**Carmen María Mariño Martínez**

Centro Universitario de la Defensa, Spain

Chloride resistance of natural grown passive layers in Shape Memory Steels

**Valeria Buzova**

SkyLab AG, Switzerland

Potassium Sodium Tartrate for Non-Peroxide Tooth Whitening: A Piezoelectric Approach with Preserved Enamel Microhardness & A novel enzymatic approach to scalp health: selective Malassezia inhibition without broad-spectrum antimicrobial effects

**Frans Augusthinus Asmuruf**

Universitas Cenderawasih, Indonesia

Non-monotonic Structure-Property Relationships in Small Iron-Doped Boron Clusters: A DFT Study of BnFe ( $n = 3-6$ )

**Sapto P. Putro**

Diponegoro University, Indonesia

Nanomaterial-Enhanced Phycoremediation of Brewery Wastewater: Comparative Performance of MgO Nanoparticles and Nano Clay for Pollutant Removal and Biomass Valorization

**Julito V. Mandac**

JH Cerilles State College, Philippines

Development and Standardization of Dragon Fruit (*Hylocereus costaricensis*) Wine Processing for Local Commercialization in Zamboanga del Sur, Philippines

**Tatiana Calalb**

"Nicolae Testemitanu" State University of Medicine and Pharmacy, Republic of Moldova

Enzyme-Assisted and Ultrasound-Assisted Extraction Optimization of Polyphenols from *Aronia melanocarpa* Pomace: A Response Surface Methodology Approach

**Cornelia Fursenco**

"Nicolae Testemitanu" State University of Medicine and Pharmacy, Republic of Moldova

Enzyme-Assisted and Ultrasound-Assisted Extraction Optimization of Polyphenols from *Aronia melanocarpa* Pomace: A Response Surface Methodology Approach



# SPEAKER SLOTS AVAILABLE

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**Lidiia Bondareva**

Federal Scientific Centre of Hygiene named after  
F.F. Erisman, Russia

**Surfactants as components of Cosmetics  
and Personal Care Products: problems  
and future perspectives**

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**Alexei V. Finkelstein**

Institute of Protein Research, Russia

**Stochastic origin of the Mpemba effect  
in freezing: Experimental and theoretical  
resolution of the paradox**

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**Alexander Savvatimskiy**

Russian Academy of Sciences Moscow, Russia

**Thermophysical Properties of Nuclear  
Energy Metals in the Liquid State**

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**Chejarla Venkatesh Reddy**

Hanyang University, the Republic of Korea

**Process-intensified single-step  
pretreatment of spent coffee grounds-  
derived biocrude oil: Removal of  
inorganics and emulsified water for  
sustainable transportation fuels**

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**Abdourahmane Khonté**

Université Alioune Diop de Bambey (UADB),  
Sénégal

**Supramolecular Cyclodextrin-Enhanced  
Spectrofluorimetric Determination of  
Serotonin in Human Urine : Mechanistic  
Insights and Bioanalytical Validation**

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**Dionlar Lang**

Cheikh Anta Diop University, Senegal

**The potential of artificial intelligence to the  
rescue of the Internet of Things**

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**Samaa Abdullah**

Applied Science Private University, Jordan

**Lutein–Acacia Nanoparticle-Loaded  
Alginate Hydrogel for Accelerated Wound  
Healing and Scar Reduction**

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**Shkelzen Cakaj**

Canadian Institute of Technology, Albania

**An Integrated Chemical-Electronic  
Capacitive Sensor for Automatic Liquid  
Identification and Adaptive Level  
Measurement**

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**Mohamed Barakat**

King Abdulaziz University, Saudi Arabia

**Novel nanocomposite with enhanced  
visible-light-driven photocatalytic activity  
for degradation of organic contaminants in  
water**

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**Hadayat Ullah**

Independent Researcher, Saudi Arabia

**Development and In Vivo Evaluation of  
Carvacrol-Loaded Polymeric Nanomicelles  
Hydrogel for the Treatment of Methicillin-  
Resistant Staphylococcus aureus Skin  
Infections**

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**Giulia Caporro**

University of L'Aquila, Italy

**Chemical-Physical Interactions and Bone  
Response to Juxta-Osseous Frameworks  
after Piezoelectric Site Preparation**

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**SPEAKER SLOTS AVAILABLE**

**Saba Latif**

Sapienza University, Italy

**Object-Centric Analysis of XES Event Logs: Integrating OCED Modeling with SPARQL Queries**

**Hawzhen Fateh M. Ameen**

Erbil Polytechnic University, Iraq

**Hydrothermal transport of a chemically reactive bioconvective hybrid nanofluid with activation energy in MHD stagnation-point flow over a stretching surface**

**Azeez Abdullah Barzinjy**

Soran University, Iraq

**Green Nanotechnology and Plant-Derived Nanomaterials for Renewable and Sustainable Solutions**

**Maryam Basil Ishaq**

University of Sulaimani, Iraq

**From landfill to concrete: a comprehensive review of waste glass powder for sustainable cement replacement, environmental impact Reduction, and enhanced concrete performance**

**Tabarek Fadhil Jabbar**

University of Babylon, Iraq

**Comparative Study of ZnO and TiO<sub>2</sub> Reinforced Polyurethane Nanocomposite Coatings for Enhanced Corrosion Protection of Low-Carbon Steel**

**Ahmed Salih Mohammed**

American University of Iraq, Iraq

**Sustainable Smart Materials for Structural Health Monitoring: Enhancing Piezoelectric Performance for Structural Safety and Durability**

**Sevda Fatullayeva**

Qarabağ University, Azerbaijan

**Polymer-based enterosorbents for sorption of heavy metal ions**

**Gurbanov Muslim Axmed**

Institute of Physics of the Ministry of Science and Education, Azerbaijan

**The effect of UV rays on crude oil**

**Ivan Sekaj**

Slovak University of Technology, Slovak Republic

**AI vs. Natural Intelligence, Potential, Limits and the Possible Impacts of AI on Human Society**

**Ibtissam Essadik**

Ibn Tofail University, Morocco

**A Brief Survey of Generative AI for Healthcare Applications**

**Hala Mourad Demerdash**

Alexandria University Hospitals Alexandria University, Egypt

**Carotid Intima-media Thickness is Lower after Sleeve Gastrectomy, with Concurrent Changes in Oxidized LDL and PAI-1**



**SPEAKER SLOTS AVAILABLE**

**Said Abdelmonem Hassan**

Cairo University, Egypt

Forensic LC–MS/MS Surveillance of semi-synthetic cannabinoids in UK consumer products: an evidence-based analytical, regulatory, and pharmacovigilance framework

**Aratrika Bhadra**

American Journal of Plant Biology Associate Member, India

Phyto-Cultural Cartographies: Reimagining Urban Sustainability Through Ethnobotanical Memory Systems and Indigenous Plant Knowledge

**Rina Ghosh**

St. Xavier's College, India

Exploring Protein Encapsulated 'Antennas' of Lanthanide Binary Complexes: An insight involving Experimental and Molecular Dynamics Simulations

**Arvind Kumar**

Banaras Hindu University, India

Development of Finger Millet based Cocoa Flavored Beverage Fortified with Pea Protein

**Brinda Bhowmick**

National Institute of Technology Silchar, India

Detection of Cereb-2 Breast Cancer Bio analytes in Saliva and Serum Using In1 – xGaAs/InP Heterojunction Dual Gate Vertical TFET

**Joseph Kirubakaran**

Rajalakshmi Institute of Technology, India

Egg albumin mediated rGO@Fe<sub>3</sub>O<sub>4</sub> nano-rods for self assembled macro porous biohybridized hydrogel anode for the applications of microbial fuel cells

**Priyanka Mukherjee**

Asutosh College, India

Revealing the conformational and environmental behavior of multi-tryptophan proteins through low temperature phosphorescence: A deeper insight involving time resolved molecular dynamics"

**Karima Bouali**

Pharmaceutical Sciences Research Center, Algeria

Anaplastic large T cell lymphoma presenting in the parotid gland: a diagnostic challenge

**Indu Gupta**

Chandigarh University, India

Wide Bandgap Semiconductor Materials for Power Device Applications: A Schematic Review

**Drishti Panjwani**

Parul university, India

Anti-CD38 targeted carfilzomib-loaded hybrid nanocomposites for multiple myeloma therapy: cytotoxicity and biodistribution.



# SPEAKER SLOTS AVAILABLE

**Gourav Mondal**

Indian Statistical Institute, India

**Green Synthesis of Zero-Valent Iron Nanoparticles for Arsenic Removal from Groundwater: Mechanistic and Kinetic Insights**

**Ashwani Kumar**

University of Rajasthan, India

**Crispr And "Omics" Revolution In Plant Genetics: Promises, Challenges And Future Prospects**

**M. Sarasija**

Satavahana University, India

**Green Synthesis of Diverse Flavanoids as Biologically Potent Agents**

**Atish Lokmitra Ramteke**

Sant Longowal Institute of Engineering and Technology, India

**Storage Stability and Sorption Behavior of Fibre-Enriched Extruded Snacks Developed with Chickpea Husk Flour**

**Mohd Salman**

National Institute of Unani Medicine, India

**Clinical evaluation of classical Unani formulations in allergic rhinitis: A pilot case series**

**Jyoti Sharma**

Shobhit Institute of Engineering & Technology, India

**Development of Polymeric Nanocomposites for Future Wound Healing Applications**

**Anupama Sharma**

Nims University, India

**Human Reproductive Exposure to Microplastics: A Multi-technique Analytical Study of Menstrual and Amniotic Fluids & A focus on microplastics in daily life eateries: identification by FT-IR, AFM, Pyrolysis GC/MS and microscopic studies**

**Payal N. Vaja**

Dr. Subhash University, India

**Crystal Engineering of Albendazole-Para-Hydroxybenzoic Acid Cocrystals via Lyophilization for Enhanced Solubility and Therapeutic Performance**

**Atul M.Elghandelwar**

MIT-World Peace University, India

**Advanced Thermal-Hydraulic Modeling of Hybrid Boilers**

**Oleksandr Radchenko**

Frantsevich Institute for problems of material Science NAS of Ukraine, Ukraine

**Formation of the structure and properties of nitrogen-microalloyed low-tungsten high-speed steels obtained by jet deposition**

**Abdelfattah El Gharbi**

Université Hassan II de Casablanca, Morocco

**Structural and optical properties of  $\text{Eu}_{0.2}\text{La}_{1.8}\text{CuO}_4$  cuprate for optoelectronic applications**



**SPEAKER SLOTS AVAILABLE**

**Shajilin Loret J.B**

St.Joseph's College of Engineering,India

**A review on machine learning-based precision agriculture techniques for crop farming monitoring with IOT**

**Suprakash Chakma**

Patuakhali Science and Technology University, Bangladesh

**Trace Metal Contamination in Small Indigenous Fish Species (SIS) from Kaptai Lake of Bangladesh: Implications for Food Safety and Human Health**

**Kongaha Waththage Dilan sanjeewa**

Road Development Authority, Sri Lanka

**Weathering-Induced Mineralogical Changes in Sri Lankan Hilly Terrain: Implications for Slope Stability and Sustainable Land Use**

**Shilpa Sharma**

Netaji Subhas University of Technology, India

**Enzymatically Derived Cellulose Nanofibers and their Nanocomposites for Efficient Wastewater Remediation**

**Anurima Majumdar**

Guru Nanak Institute of Technology, India

**Nanomaterials-Enabled Smart Biosensors and Artificial Intelligence for Next-Generation Disease Diagnosis: Challenges, Emerging Trends, Ethical Considerations, and Future Prospects**

**Anshul Singh**

Baba Mastnath University, India

**Eco-Friendly Synthesis of Zinc Oxide Nanoparticles: Integrating Physicochemical Characterization, Biological Activities, and Molecular Docking Against Pathogenic Microbes**

**Tania Tabassum**

Patuakhali Science and Technology University, Bangladesh

**Trace Metal Contamination in Small Indigenous Fish Species (SIS) from Kaptai Lake of Bangladesh: Implications for Food Safety and Human Health**

**Samira Douzi**

Mohammed V University in Rabat, Morocco

**SpecMamba++: A Spectral-Gated Mamba Network for Interpretable Hyperspectral Honey Adulteration Detection**

**Kazi Mohammad Anamoul Haque**

Bangladesh Army University of Science and Technology (BAUST), Bangladesh.

**Characterization of green synthesized silver nanoparticles (AgNPs) and application in nanocomposites reinforced with natural fibers**

**Khayit Khudaynazarovich Turaev**

Termez state university,Uzbekistan

**Advances in Antiseptic Functionalization of Medical Textiles: A Review of Antimicrobial Agents, Binding Methods, and Performance)**



**SPEAKER SLOTS AVAILABLE**

**Priya Sathya Raj**

Esamony Memorial Christian College  
Marthandam, India

**Bio-Based Polylactic Acid Composites  
Reinforced with Wild Cane Grass  
Cellulose For Biomedical Applications**

**Abhishek Saha**

Birla Institute of Technology & Science, India

**Striking the Balance for Cellular Entry of  
Cell-Penetrating Peptides**

**C J Jagadeesha**

Indian Space Research Organisation-NRSC-  
RRSC-Karnataka, India

**Microtubule Polymerisation, Space  
Elevators, Tethers for Space Human  
Habitats**

**ABREETA Kalita**

Royal Global University, India

**Development and Evaluation of a  
Biochar-Based, Humic Acid-Coated Multi-  
Micronutrient Slow-Release Fertilizer for  
Sustainable Tomato Production**

**Prasanna Laxmi Konam**

Design Engineer, India

**Design, Analysis and Fabrication of Fractal  
Vise using Additive Manufacturing**

**Mahbub Parvez**

Daffodil International University, Bangladesh

**Artificial Intelligence-driven Energy-  
Economy-Environment conscious  
production system under a hybrid subsidy  
for green investment**

**Maahi Sabah**

Pabna University of Science and Technology,  
Bangladesh

**Hydrostatic Pressure Effects on the  
Physical Properties of XM (X = Ga,  
In; M = As, N): Insights for Advanced  
Semiconductor Applications**

**Robert Kennedy Otieno**

Multimedia University of Kenya, Kenya

**Advances in rGO/SiC Reinforced  
Magnesium Composites for  
Multifunctional Aerospace Applications:  
From Weight Reduction to Electromagnetic  
Shielding**

**Abdelmjid Bouazizia b**

Moulay Ismail University of Meknès, Morocco

**Towards sustainable membrane  
technologies through the valorization  
of Moroccan geomaterials for advanced  
water treatment**

**Ibrahim Jimoh**

Confluence University of Science and Technology

**Evaluation of the Nutritional and  
Toxicological Significance of Essential  
Metals and Iodine in Vegetables and  
Spices in Kogi Metropolis, Nigeria:  
Implications for Human Health and Food  
Safety & Kinetic and Thermodynamic  
Modeling of Transesterification of Gmelina  
arborea Oil Using Homogeneous and  
Heterogeneous Catalysts**



**SPEAKER SLOTS AVAILABLE**

**Mohit Mehdi**  
University of Isfahan

Investigating the ternary cement containing Portland cement, ceramic waste powder, and limestone

**Ajwa Rana**  
University of Agriculture

Enhanced Bioavailability of Silybum marianum Using Chitosan Nanoparticles for Antidiabetic Therapy

**Ansa Jabeen**  
University of Management and Technology

Engineering Antibody Orientation on Graphene Surfaces: A DipeptideScFv Bioconjugate Platform for Rapid Carcinoembryonic Antigen Detection

**Bushra Uzair**  
International Islamic University Islamabad

Synthesis and characterization of Gelatin-rGO/TA nanocomposite coatings for controlling Pseudomonas aeruginosa biofilm on hemodialysis catheters

**Melse Firew**  
Dire-Dawa University, School of Textile

Review of Fabrication Technologies and Applications for Futuristic Functional and Smart Textiles

**Aafia Sheikh**  
Government College Women University

Volumetric, Viscometric, and Molecular-Level Characterization of Choline Chloride/Butyric Acid Deep Eutectic Solvent (ChCl/BA DES) with 1-Butanol from 293.15 to 343.15 K

**Boluwatife Ogunsina**  
Federal University of Agriculture

Molecular Characterization of Codon Usage Signatures in the Chloroplast rbcL Gene of Irvingia gabonensis and Irvingia wombolu: Implications for Chemical Biology and Sustainable Biotechnology

**Asuquo Eke**  
Cross River University of Technology

Designing and Modelling of an Induction Motor using Advanced High-Temperature Materials for Extremely Harsh Industrial Applications

**Temesgen Geremew Tefery**  
National Taiwan University of Science and Technology

Interfacial engineering of MXene-PDA/WS<sub>2</sub> nanocomposite heterostructures for ultrasensitive SERS detection of 4-Nitroaniline

**Saima kalsoom**  
Quaid-i-Azam University

Designing & Click One-Pot Synthesis of 1,2,3-Triazole Derivatives as Antidiabetic Studies



**SPEAKER SLOTS AVAILABLE**

**Sajid Aslam**

Minhaj University Lahore

**Investigating Community Perceptions, Vulnerability, and Adaptive Responses to Climate-Induced Floods and Other Extreme Weather Events in Vulnerable Regions in Pakistan: A Qualitative Study**

**Ghazanfar Shahzad**

Department of Applied Chemistry, Punjab College

**Assessment of Microplastic-Associated Heavy Metal Contamination in Freshwater Sediments and Its Potential Ecological Implications for Aquatic Systems**

**KANA SOP Marie Modestine**

University of Douala

**Nutrient and antinutrient contents of a nutritious complementary food formulated from local pretreated local food matrices to prevent malnutrition in Douala, Cameroon**

**Yewbmirt Bekalu Mebit**

Water and Energy Office

**Analysis of Nigella sativa L. (Black Cumin) seeds for levels of heavy metals using FAAS: geospatial profiling and regional safety implications**

**Anuonye Chukwuemeka Julian**

Federal University of Technology Minna Niger State Nigeria

**OKRO Stem Bark: Turning Waste into Industrial Product**

**Saina Hasany**

Islamic Azad University

**Facial Expression Deep Learning Algorithms in the Detection of Neurological Disorders: A Systematic Review and Meta-analysis**



**SPEAKER SLOTS AVAILABLE**

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# YOUNG RESEARCHER SESSIONS

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# **SPEAKER'S TESTIMONIALS**



**MARCH 26-27**  
**ADV. CHEMISTRY 2027**

<https://www.chemistryconferences.com/>



The conference was of high quality and very informative. I learned a lot and found it to be a valuable experience.

**CAROL ADRIANNE SMITH**

*MORGAN STATE UNIVERSITY, USA*



I consider that the conference was distinguished by the high quality of its presentations. I found it very rewarding to listen to each participant share their scientific advances and research experiences. Attending the 7th Advanced Chemistry World Congress significantly contributed to my professional development by allowing me to update my knowledge in several areas, broaden my scientific perspective, and to analyse results relevant to my field. From my perspective, the organizers performed an excellent job not only in the selection of speakers but also in the continuous support provided throughout the conference efficiently addressing any technical issues that may have arisen.



**JUAN CARLOS SANCHEZ HIZA**

*CENTRO DE INVESTIGACIÓN EN QUÍMICA  
APLICADA, MEXICO*



Warm greetings!

We listened attentively to the presentations delivered by our panel and are very pleased with the overall quality. The sessions were highly valuable to us, as they provided a meaningful exchange of knowledge and experience. We would also like to commend Peers Alley Media, Canada, for doing an excellent job in selecting such distinguished speakers for this meeting, which greatly contributed to its success.

**FATLINDA SHKURTI**

*"ISMAIL QEMALI" UNIVERSITY /ALBANIA*



Quality of talks was really high at Adv. Chemistry, great organisation of conference. Proceedings of conference are so good and contain a lot meaningful stuff, visually looks excellent. I found a lot of useful contacts for international cooperation. Hope to contact as soon as possible. Also, I will advise participation on the next year to my colleagues. Peers Alley Media, Canada did proper and massive job selecting speakers for thought-provoking sessions. It was so easy to navigate in list of speakers and presentation. The content of the reports was very relevant and up-to-date. Excellent presentation of the material. Thank you, a lot, for amazing event, also it would be great for next year to print articles in proceedings after conference at the Scopus base.

## ZULFIYA SHAKIRYANOVA

*M. AUEZOV SOUTH KAZAKHSTAN RESEARCH UNIVERSITY  
/KAZAKHSTAN*



The 7th Edition of the Advanced Chemistry World Congress (Adv. Chemistry 2026), organized by Peers Alley Media in Rome on March 26-27, shows strong promise based on prior events' feedback. Attendees from past editions report high satisfaction with talk quality and organization, suggesting similar outcomes for 2026. Adv. Chemistry events, the 2026 edition, is described as high-quality, insightful, and thought-provoking by speakers and attendees. Presenters delivered engaging content on cutting-edge topics, fostering discussions and new ideas across chemistry fields. Feedback highlights exceptional depth and relevance, with one reviewer calling them "of extreme high standard." Events like Adv. Chemistry significantly boost networking with global experts, and ideas for research. Attendees gained collaborations, resolved project challenges, and enhanced skills through diverse sessions. For someone in pharmaceutical sciences like you, sessions on biochemistry, medicinal chemistry, and green chemistry could directly inform drug mechanisms and publication strategies. For 2026, confirmed speakers include experts like Ettigounder Ponnusamy in polymer chemistry, indicating continued quality. Overall satisfaction from prior events points to a positive experience.



## HEBA KAMEL BADAWY

*HEBA KAMEL MAHMOUD BADAWY, SINAI UNIVERSITY /EGYPT*



The quality of talks was excellent, featuring well-structured presentations. The Sessions were highly informative and reflected current advancements and research trends. It provided valuable opportunities to learn from experts, exchange ideas and gain new perspectives that will benefit our ongoing research and academic work. Press Alley Media did an impressive job in selecting speakers. The sessions were thought provoking and covered diverse and relevant topics, ensuring meaningful engagement and knowledge sharing among participants. Overall, it was a well-organized and enriching event. I truly appreciate the efforts of the organizing team in making this conference a success. Thank you once again for the opportunity to be a part of this esteemed event. I look forward to participating in future conferences.



## **DHIRAJ GHANSHYAM KARWATKAR**

*TGPCET /INDIA*



It was my pleasure to be part of the conference. Regarding my testimonial, I would say the quality of talks at Adv. Chemistry 2026 was fine and it was nice to present my topic during the conference. I really liked and enjoyed the conference to receive ample amount of time to freely participate as a Speaker without time constraints. I appreciate Peers Alley Media, Canada for putting efforts to make the Adv. Chemistry 2026 a successful conference and their dedication as well as managing the sessions for this event.



## **ADITYA SINGH**

*AMRITA VISHWA VIDYAPEETHAM /INDIA*



I am truly honored to receive the Certificate of Recognition from the 7th Advanced Chemistry World Congress. It was a great pleasure to participate in such a well-organized and intellectually enriching event. I sincerely appreciate the opportunity to share my work and to engage with such a distinguished and inspiring scientific community. I would also like to express my gratitude to you and the entire organizing team for your efforts in making the congress a success. The experience was both rewarding and memorable, and I look forward to contributing again in the future. Thank you once again for your thoughtful words and recognition.

## **MAISSA DELY**

*UNIVERSITY OF CARTHAGE /TUNISIA*



The sessions were highly informative and well-structured. The speakers presented their research clearly, covering both fundamental concepts and recent advancements, which made the talks engaging and valuable. The conference significantly contributed to my professional growth by exposing me to new research areas, innovative methodologies, and current trends in chemistry. It also provided useful insights that I can apply in my academic and professional work. Peers Alley Media did an excellent job selecting knowledgeable and experienced speakers. The sessions were thought-provoking and encouraged deeper understanding and discussion among participants. Overall, the sessions were great, and I also appreciate the opportunity to attend online, which made the event more accessible. Thank you once again for organizing such a beneficial conference.

**KAVITHA JAYARAM**

*B N M INSTITUTE OF TECHNOLOGY /INDIA*



Dear Organizing Committee, The quality of the talks at Adv. Chemistry 2026 was excellent. The presentations were well-structured, scientifically rigorous, and covered a diverse range of cutting-edge topics in chemistry. I found the discussions particularly insightful and relevant to current research trends. The conference significantly contributed to my professional development. It provided a valuable platform to exchange ideas, learn about recent advancements, and engage with experts from various fields. This experience has broadened my perspective and inspired new directions for my research. Peers Alley Media, Canada, did a commendable job in selecting speakers. The sessions were thought-provoking and featured experts who delivered engaging and impactful presentations. Overall, the event was highly enriching, and I truly appreciate the effort put into organizing such a meaningful conference.



**RAWDAH ABDUH GHAIB WHBA**

*TAIZ UNIVERSITY /YEMEN*



Since the presentations presented at the conference cover the main directions of Adv. Chemistry, the research's conducted in this field and the methodologies used will positively affect the quality of the research to be done. The presentations below will help scientifically substantiate the results of my research:

1. 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
  2. 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
  3. Direct Determination of 2, 4-D in Natural Water Samples by Solid Surface Fluorescence Maria Carolina Talio, INQUISAL-CONICET., Argentina
  4. Effects of Electron Beam Irradiation on the Physicochemical, Functional, Nutritional Properties, and Microstructure of Millet Flour (*Pennisetum glaucum* L.R.Br.) Dely Maissa, University of Carthage, Tunisia
- Peers Alley Media work is very laborious and the work is truly of a high standard  
Thank for your really very hard work!

## MUSLUM GURBANOV

*INSTITUTE OF PHYSICS OF THE MINISTRY OF SCIENCE AND  
EDUCATION /AZERBAIJAN*



The quality of talks at Adv. Chemistry 2026 was commendable, with a strong mix of foundational insights and emerging trends in chemistry. Presentations were well-structured and data-supported, making them informative and engaging. The variety of topics allowed attendees from different specializations to gain knowledge and participate in discussions. The event offered significant potential for professional development, featuring recent advancements and networking opportunities. Peers Alley Media showed commitment to a high-quality program, with a careful selection of experienced speakers, resulting in a well-organized and stimulating event. Thank you.



## V R PALANIVELU

*PERIYAR UNIVERSITY /INDIA*



Dear Committee Members The quality of talks was truly outstanding. The presentations covered a wide range of cutting-edge topics in chemistry, from emerging synthetic methodologies to applications in sustainable chemistry and materials science. I particularly appreciated the more focused oral communications, which offered deep insights into ongoing research. This congress contributed to my professional development by allowing me to present my work entitled "AI Meets Reality: Detecting Rice Diseases in Benin — A Bibliometric and Field Perspective." Although the congress was held virtually and opportunities for extensive discussion were limited, the experience of sharing my research within an international scientific forum was enriching. Peers Alley Media, Canada, did an excellent job in selecting speakers for thought-provoking sessions. The scientific committee ensured a diverse and high-level lineup, with each session fostering meaningful communication. The speakers were not only experts in their fields but also engaging presenters who encouraged critical thinking, which greatly enhanced the overall quality of the event. Thank you once again for organizing such a successful congress. I look forward to future editions.

## HOUNGUE Y PLAGIE ELYSE

UNIVERSITÉ D'ABOMEY-CALAV-IMSP / BENIN



The 7th Edition of the Advanced Chemistry World Congress, held from March 25th to 27th, 2026, was exceptional. Each segment of the conference was distinguished and exemplary. Notably, this was the inaugural virtual conference I attended and presented at. The organiser executed the event with commendable proficiency. The presenter was carefully chosen to align with the conference theme. The quality of each presentation was exemplary, and all presenters delivered their utmost. I appreciated every aspect of it, as it encompassed numerous research areas I had not previously considered. The authors were outstanding and well-prepared. The presentation platform was suitable, and there were no network outages. The conference will contribute to my career by fostering future collaborations, will be included in my Curriculum Vitae, and I have gained valuable insights into topics I wish to explore further in my research career. Peers Alley Media performed exceptionally well; each selected speaker contributed significantly to the conference.



## ELIZABETH AVOSUAHI DANIA

THE UNIVERSITY OF THE WESTERN CAPE / SOUTH AFRICA



It was really good to present our work before the scientific fraternity from all over the world. The quality of talks at Adv. Chemistry 2026 was really very thought provoking and covering many of the subject areas. This can help me in improving my research credentials as it was widely appreciated by the organizers as well as by the audience. Peers Alley Media did a wonderful job.

## SUNITA CHAUHAN

*KUMARAPPA NATIONAL HANDMADE PAPER INSTITUTE / INDIA*



The Advanced Chemistry conference consistently delivers high-quality and diverse talks across multiple research areas, featuring international speakers. Presentations are informative, multidisciplinary, and engaging, offering valuable scientific content and broad coverage of chemistry subfields, which supports knowledge expansion and professional development. The conference provides opportunities to present research, receive feedback, network globally, and gain new research ideas, interdisciplinary perspectives, academic recognition, and career support—especially benefiting early- and mid-career researchers. Peers Alley Media (Canada) has been effective in selecting speakers, ensuring international representation, diverse expertise, and engaging, thought-provoking sessions that enhance visibility, collaborations, and overall conference value.



## RAKESH KUMAR THAKUR

*CENTRAL UNIVERSITY OF HIMACHAL PRADESH /INDIA*

# NETWORKING CONFERENCING FOSTERING

Attending a Conference isn't all  
about Learning and Networking

## DISCOVERING

A right choice of conference destination  
is an important aspect of any  
international conference and keeping  
that in consideration, Adv. Chemistry  
2027 is scheduled in the Beautiful city  
"Vienna".

## VIENNA

Vienna is the capital city of Austria and one of Europe's most culturally rich and historically significant cities. Situated along the Danube River, it was once the center of the powerful Habsburg Empire and has long been known as the "City of Music" for being home to legendary composers like Wolfgang Amadeus Mozart and Ludwig van Beethoven. The city is famous for its stunning architecture, including Schönbrunn Palace and St. Stephen's Cathedral, as well as its rich traditions of classical music, art, and café culture. Today, Vienna is widely regarded as one of the most livable cities in the world, offering a perfect blend of historical charm and modern lifestyle.

Vienna is not only a cultural capital but also a modern hub of politics, education, and innovation in Austria. It hosts major international organizations like the United Nations Office at Vienna, making it an important center for global diplomacy. The city beautifully blends imperial history with contemporary life—grand palaces such as Hofburg Palace reflect its royal past, while its efficient public transport, clean streets, and strong infrastructure showcase its modern excellence.

Vienna is also deeply connected to art and psychology, being home to influential figures like Sigmund Freud, the founder of psychoanalysis. Its museums, galleries, and concert halls—especially the Vienna State Opera—attract millions of visitors each year.



City of Music



Christmas market in Vienna



Coffee House Culture



Statue of Archduke Charles



St. Stephan's cathedral

# MUST-SEE DESTINATIONS IN VIENNA



Albertina



Belvedere Palace



Hofburg Palace



Kunsthistorisches  
Museum



Museums Quartier



Prater Park and the  
Giant Ferris Wheel



Schönbrunn Palace



St. Stephen's  
Cathedral



Vienna State Opera

**ADV. CHEMISTRY**  
**8TH EDITION 2027**



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