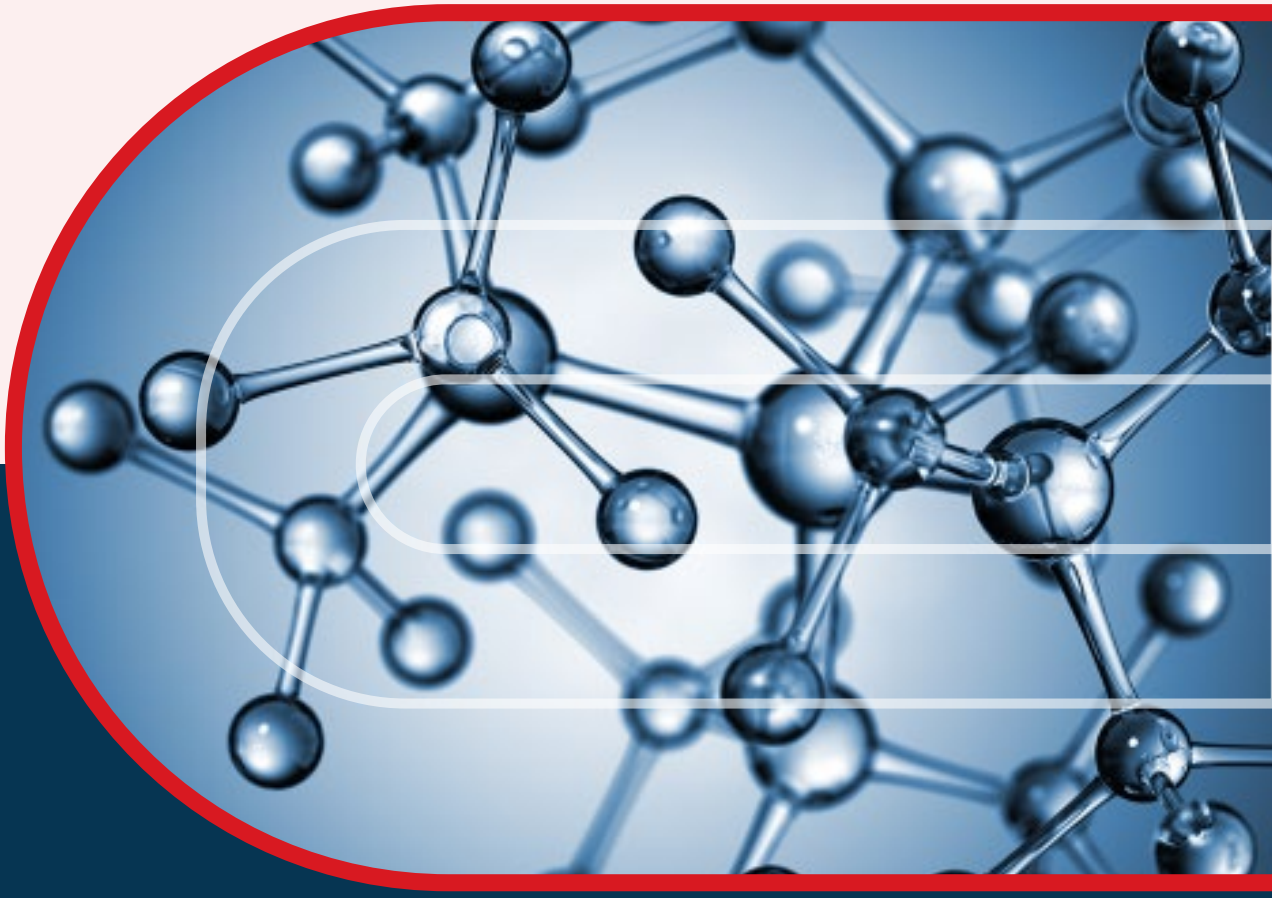
Global Chemistry Community and Network

1126 59 Ave East, V5X 1Y9, Vancouver BC, Canada
WhatsApp No: +1 506 909 0537
Contact us: adv.chemistry@researcherssynergy.com



7TH EDITION OF

ADVANCED CHEMISTRY WORLD CONGRESS

MARCH 26-27, 2026 | ROME, ITALY

Theme: Chemistry for Sustainable Global Progress and Technological Innovations

ADV. CHEMISTRY 2026

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.

02 **02 Day** Conference

12+ **INNOVATIVE** FEATURED SPEAKERS

20+ **HOURS OF** NETWORKING EVENTS

60+ **INTERNATIONAL** SPEAKERS

125+ **EDUCATIONAL** SESSIONS

WHO SHOULD ATTEND?

- Scientists
- Chemists and Chemical Engineers
- Engineers working in Pharmaceutical
- Bulk Chemical Industries
- Bulk Chemical Industries
- Managers for Development of Pharmaceutical Products
- Managers for Fine Chemicals R & D Units
- Chemists
- Research Institutes and Members
- Chemicals Supply Chain Companies
- Engineers belonging to the field of Inorganic Chemistry
- Engineers belonging to the field of Medicinal
- Scientists and Researchers of Fragrance Industry
- Scientists and Researchers of Agrochemical Industry
- Scientists and Researchers of Petro chemical engineering Industries
- Materials Scientists
- Nanotechnologists
- Biotechnologists
- Scientists in Information Technology
- Academicians
- Scientists in Automation & Engineering
- Faculty
- Clinical Services Managers
- Healthcare Workers
- Druggist Drug, Drug Developers
- Chemical Research Laboratories
- Drug Development Companies

PHANSAK IAMRAKSA

Kasetsart University, Thai-
land

Dear Distinguished Scholars and Colleagues,

It is with great pleasure and anticipation that we extend to you a warm welcome to the 7th Edition of the Advanced Chemistry World Congress, scheduled to take place on March 26-27, 2026, Rome, Italy.

This esteemed gathering has established itself as a prominent international forum, bringing together leading researchers, academics, and industry experts from across the chemical sciences. The 2026 edition aspires to foster a robust exchange of scientific knowledge, facilitate interdisciplinary dialogue, and catalyze innovations that will shape the future trajectory of chemistry and its related fields.

This year's scientific program features a diverse and forward-looking agenda, encompassing vital disciplines such as analytical and industrial chemistry, green and environmental chemistry, polymer science, biochemistry, medicinal chemistry, chemical engineering, and more. Distinguished speakers from globally recognized institutions will present their pioneering research, innovations, and new concepts. Multidisciplinary knowledge will be shared and discussed without boundaries and limitations.

Particular emphasis will be placed on emerging research areas that align with global scientific priorities, including renewable energy, environmental remediation, bioactive compound development, nanotechnology, and sustainable materials design. The Congress will further provide an enriching platform for scholarly exchange, professional development, and the formation of enduring academic and industrial collaborations.

We are confident that your active participation will greatly enhance the intellectual richness and success of this event. We look forward to your contributions and to engaging with you in what promises to be an inspiring and impactful scientific occasion.

With highest regards,
The Organizing Committee
Advanced Chemistry 2026
Asst. Prof. Phansak Iamraksa
Kasetsart University, Thailand

JUN YASUI

Kwansei Gakuin University,
Japan

Dear Colleagues,

We look forward to your cutting-edge research being presented at the prestigious Adv. Chemistry 2026 conference set to take place on March 26-27, 2026 in Rome, Italy.

Innovation does not happen overnight. It is necessary to overcome the various "death valleys" between basic research, applied research, and practical application. To do this, researchers, scientists, and business people in each field need to broaden their horizons and accumulate ideas. The Adv. Chemistry 2026 Congress is expected to play an important role as a global platform that brings together researchers, scientists, and business people from various regions around the world to identify future demands in the fields of chemistry, chemical engineering, materials science, and nanotechnology. The organizers have worked hard to ensure the success of this event.

I hope that many of you will participate in this conference with high aspirations and find a foothold for building new collaborations that will help you overcome the "Death Valley". That's all for now, but I sincerely welcome you to the conference, hoping that your research will be conveyed to many people across a wide range of fields.

Yours sincerely,
Jun Yasui
Kwansei Gakuin University, Japan

JUNAID SADEQUE

AECOM, USA

Dear Esteemed Colleagues,

We cordially invite you to the upcoming 7th Edition of Advanced Chemistry World Congress of 2026. The conference is scheduled for March 26-27 in Rome Italy— save the date in your calendar!

The Adv. Chemistry 2026 congress is aimed at bringing together world's leading experts to cover a wide range of theoretical and industrial topics including, but not limited to the sectors of organic and inorganic, petrochemical industry, plastic and polymer industry, pharmaceutical industry, material science, nanotechnology, quantum chemistry, information technology, agriculture, carbon capture and contamination remediation.

This conference provides a global platform for professional chemists, students and industry experts to showcase their cutting-edge research and to share ideas through a series of in-person talks, panel discussions, keynote talks, and breakout sessions. Also, don't miss this unique opportunity to network with your global compatriots in the arena of advanced chemistry and chemical science.

Please keep an eye on the full agenda and abstract submission deadlines in order to participate and in the 7th Edition of Advanced Chemistry World Congress.

We look forward to your participation!

Yours sincerely,
Junaid Sadeque
AECOM, USA

OLEKSANDR RADCHENKO

Institute for Problems of Materials Science named after I.N. Frantsevich NAS of Ukraine, Ukraine

Dear Colleagues!

I invite you to showcase your cutting-edge research in the field of chemistry and chemical engineering at the prestigious 7th Edition of Advanced Chemistry World Congress to be held in March 2026 in Rome!

To have a starting point in any research, it is necessary to know the current state of the problem. This state of the art is best found at an international forum of the relevant scientific profile. The 7th Edition of Advanced Chemistry World Congress is one of such forums.

Among the leading research areas are environmental protection, reduction of industrial impact on the environment, chemical energy sources, hydrogen storage, improvement of the biological state of ecosystems and the epidemiological environment, analytical chemistry, physical chemistry, photochemistry, polymer chemistry, neurochemistry, organic chemistry and organometallic chemistry and other areas, which are more than 40.

We can confidently formulate the local idea of the Congress: informing about scientific achievements, sharing information resources and uniting in scientific centers to address global challenges, as well as establishing business relations between scientists and industrial producers.

In my opinion, it is also possible to formulate a global idea of the Congress, which is to formulate a civilized way of development with minimal damage to the environment, save energy and material resources, and achieve sustainable development of the chemical and related industries.

Yours sincerely
Oleksandr Radchenko
Doctor of Technical Sciences, leading researcher in the department of "Dispersion of materials and plastic deformation by rolling" of the Institute for Problems of Materials Science named after I.N. Frantsevich NAS of Ukraine, Ukraine.

SUJATA VASUDEV BHAT

Laboratory for Advanced Research, V. G. Vaze College. Indian Institute of Technology, Bombay, India
Natural Products Division, Hoechst Pharmaceuticals, Research Centre, Bombay, India

Dear Colleagues,

We extend an invitation for you to showcase your cutting-edge research in the fields of chemistry and chemical engineering at the prestigious Adv. Chemistry 2026 congress! Save the dates of March 26-27, 2026, Rome, Italy.

The Adv. Chemistry 2026 will serve as a global platform that unites researchers, scientists, and industrialists from various corners of the world. This remarkable gathering aims to foster the exchange of ideas, facilitate discussions on pioneering research, and identify the future demands in the fields of chemistry, chemical engineering, materials science, pharmaceuticals and nanotechnology.

Among the prominent areas of future exploration in chemistry are carbon capture, renewable energy, energy storage, recycling, sustained release drugs and agrochemicals formulations and advancements in battery technology.

The Adv. Chemistry 2026 have gained an exceptional reputation for its commitment to excellence and fostering vigorous discussions and it has emerged as a meeting place for the innovations in chemistry and chemical engineering. This event also delves into emerging technologies across various fields, including energy, electronics, personalized medicine, 3D bio-printing, monomers to plastics leading to reactive extrusion, flow chemistry, nano-pesticides, mutational drugs, pharmaceuticals, sequencing, vaccines, agriculture, the environment, information technology, medicine, and other areas related to chemistry and catalysis. This gathering fosters the establishment of fresh collaborations while bringing together scientists of different generations in a captivating setting characterized by a welcoming atmosphere.

Your participation is highly valued as the organizers strive to ensure the resounding success of this event.

Yours sincerely,
Sujata Vasudev Bhat

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.

02

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.

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.

04

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.

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.

06

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.

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.

08

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.

ACADEMIC REGISTRATIONS

01

Speaker Registration

COMBO A
(Registration + 2 Night Accommodation)

COMBO B
(Registration + 3 Night Accommodation)

Delegate Registration

BUSINESS REGISTRATIONS

02

Speaker Registration

COMBO A
(Registration + 2 Night Accommodation)

COMBO B
(Registration + 3 Night Accommodation)

Delegate Registration

REGISTER

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 2026

CONCURRENT
EDUCATIONAL SESSIONS

THURSDAY - MARCH 26, 2026

- 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 Macro cyclic 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 27, 2026

- 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

7TH EDITION OF ADVANCED CHEMISTRY WORLD CONGRESS

ADV. CHEMISTRY 2026 7TH EDITION

MARCH 26-27, 2026

ROME, ITALY

https://www.chemistryconferences.com/

Featured Speakers	Presentation Titles
Felix Mendoza Suarez Auburn University, USA	**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**
Zerihun Assefa North Carolina A&T State University, USA	**The designing of coordination polymers consisting of late-transition metals and lanthanide ions for luminescence enhancement**
Joseph Nagyvary Texas A&M University, USA	**The chemistry of Stradivari and Guarneri—the defining aspect of their excellence**
Safwan Omari Lewis University, USA	**Demystifying AI: Neural Networks, Transformers, and Agents for Modern Chemists**
Alonso Acosta Vera University of Rochester, USA	**Carbazole Derivatives as Platforms for Luminescent Organic and Hybrid Crystalline Materials**
Bander Almalki University of Delaware, USA	**Transmembrane Homodimers Interface Identification: Predicting Interface Residues in Alpha-Helical Transmembrane Protein Homodimers Using Sequential and Structural Features**
Nanh Lovanh ARS, FAESRU, Bowling Green, USA	**Plant extracts mediated syntheses of nanoparticles and their effectiveness on agricultural pathogens**

SPEAKER SLOTS AVAILABLE

Enrique M. Ostrea
Hutzel Women's Hospital and Children's Hospital of Michigan, Wayne State 7 University School of Medicine,USA

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

---

Carol Adrianne Smith
Department of Biology, Morgan State University, USA

Contaminants of Emerging Concern on Microplastics Found in the Chrysaora chesapeakei of the Patuxent River, Chesapeake Bay, MD

Eldin Karakovic
Weiss Memorial Hospital, USA

Diagnostic and therapeutic outcomes in spinal tuberculosis: a retrospective study integrating GeneXpert MTB/RIF, histopathology, and clinical management strategies

---

Jie Gu
School of Chemical and Process Engineering, University of Leeds, UK

Triple Synergy in Waste Plastic Upcycling: Enhanced BTEX Production via Plasma-Assisted Catalysis over Ga-Modified β-Zeolites

---

Weihong He
Department of Physiology, Sichuan University, China

RUNX1: a novel therapeutic target for myocardial infarction and cerebral infarction

---

Mohammad Rashedul Islam
King Abdulaziz University, Saudi Arabia

Identification of natural antifungal drug candidate against ginger soft rot disease: computational drug design approaches

---

Muhammad Shahab
Guangdong Medical University, China

Support Vector Machine Classification-Guided Identification of Novel Monoamine Oxidase-B Inhibitors via Structure-Based Modeling to Treat Neurodegenerative Diseases

---

Hitoshi Sakano
School of Veterinary Medicine, University of Tokyo, Japan

Neural Circuit Formation and Decision Making in the Mouse Olfactory System

---

Donatella Ponti
Department of Medical-Surgical Sciences and Biotechnologies, University of Rome La Sapienza, Italy

Fibrillarin and The Nucleolus: Emerging Markers In Human Macrophage Polarization

---

Roselyn D. Usero
Negros Prawn Producers Cooperative Analytical and Diagnostic Laboratory, Philippines

Microplastic Contamination of Mollusks (Shellfish) in Sagay Marine Environment

---

SPEAKER SLOTS AVAILABLE

Ernest Ilisca
Storage of Hyperfine Hydrogen for Transport, France

Catalytic Functions for Hydrogen Production and Storage

Ferlyn P. Calanda
Western Mindanao State University, Philippines

Development of a Web Application for Poultry Farm Monitoring and Control System

---

Manfred Renner
Safety and Energy Technology UMSICHT, Germany

The world view of the circular economy and bioeconomy A history of the cycle

---

Tammarie Catherine Heit
Multicenter clinical trial for the treatment of obstructive sleep apnea with a non-permanent orthodontic intraoral device in children, Canada

Uptown Dental Centre, 10665 Jasper Avenue, Unit 106, Edmonton, AB, T5J 3S9, Canada

---

Ana Maria Fagetan
University of Rome “La Sapienza”, Italy

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

---

Elizabeth Vergis
University of Alberta, Canada

Reflections on the role of procedural knowledge in the teaching of science

---

Mohamed Barakat
Faculty of Environmental Sciences, King Abdulaziz University, Saudi Arabia

Modified Nanocomposites for Photocatalytic Degradation of Organic Pollutants in Wastewater

---

Liana Stanca
Babe□-Bolyai University, Romania

Consumer behavior in the food industry: development of an interactive dashboard for sustainability analysis and food waste reduction

---

Furqan Tahir
King Abdullah University of Science and Technology, Saudi Arabia

Transforming Waste into Value: Environmental Assessment and Future Outlook of Waste Utilization in Concrete

---

Lucía Ortega Cabello
Departamento de Sistemas Biológicos, Universidad Autónoma Metropolitana, México

Actinobacteria from Nocardiaceae family as nanomaterial factories

---

Salimov Maftun Gayrat Ugli
Korea Research Institute of Chemical Technology, Republic of Korea

Optimization of functional groups in CAU-10(Al) for enhanced acetylene (CβHβ) storage and effective CβHβ/COβ separation

---

SPEAKER SLOTS AVAILABLE

Pablo Vizguerra Morales Instituto Politécnico Nacional, Centro Mexicano para la producción más limpia, México	**CFD Simulation of the Claus reaction furnace with operating conditions: temperature and excess air for sulfur recovery**
Mikaelle Karoline da Silva Universidade de Pernambuco, Brazil	**A Systematic Review for Ammonia Monitoring Systems Based on the Internet of Things**
Edesio Oliveira Vilar UFCG - Federal University of Campina Grande, Brazil	**Evaluation of hydrogen adsorption on Zn–Ni alloy coating by the electrochemical desorption technique and its permeability on AISI 1020 steel**
Orlando Armando Elguera Ysnaga University of Sao Paulo, Brazil	**Qualitative and Semiquantitative Determination of the Atomic and Molecular Tungsten Distributions in Hybrid**
Inaura Carolina Carneiro da Rocha Federal University of Sergipe, Brazil	**Application of an assessment model for sustainable decision-making in CCS technologies**
Francisco Daladier Marques Júnior Federal Institute of Paraiba (IFPB)/Cajazeiras, Brazil	**Using Fractals to Support Decision-Making in Physical Chemistry**
Yoshiaki Teranishi National Yang Ming Chiao Tung University, Taiwan	**Incorporating Quantum Mechanical Effects into Molecular Dynamics Simulations: A Novel Approach**
Muhammad Noorul Anam bin Mohd Norddin Universiti Teknologi Malaysia, Malaysia	**Novel Lignosulfonate-Based Starch-Silica Nanocomposite Hybrid Material for Stability of Drilling Fluids**
Fernando Viviescas M Architect-Urban Planner, Colombia	**Colombia: Chemistry For "Total Peace"**
Karina Sampaio da Silva Department of Chemistry, Universidade Federal de Viçosa, Brazil	**Sustainable hydrochar from orange peel and bagasse: a hydrothermal pyrolysis approach for efficient removal of $Fe^{2}+$ and $Mn^{2}+$ in aqueous systems.**
Siti Nabilah Karim Universiti Putra Malaysia, Malaysia	**A comparative study of antioxidant properties and oxidative stability in beef rendang under prolonged heating and varying coconut milk percentages: a chemometric approach**

SPEAKER SLOTS AVAILABLE

Carlos Alberto Guerrero-Fajardo Universidad Nacional de Colombia, Colombia	**Pea Pod Valorization: Exploring the Influence of Biomass/Water Ratio, Particle Size, Stirring, and Catalysts on Chemical Platforms and Biochar Production**
Valeria P. Conforte Instituto de Ciencia y Tecnología Dr. César Milstein, Argentina	**Photoregulation in Xanthomonas campestris: Integration of Red/Far Red and Blue Light Signals**
Barak Halpern Tel Aviv University, Israel	**Enhanced hydrolysis of lignocellulosic waste using highly efficient ozone pretreatment in a venturi system: a comparison of free and strainer models**
María Carolina Talio INQUISAL-CONICET. Avenida Ejército de los Andes 950, Argentina	**Direct determination of 2,4-D in natural water samples by solid surface fluorescence**
F. A. Jassim Al-Nahrain University, Iraq	**Influence of Continuous Phase Properties and Homogenization Conditions on Water Droplet Size Distribution in Water/Crude Oil Emulsions**
Jawhar Tawfeeq Faculty of Engineering, Turkey	**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**
Diary Ibrahim Tofiq University of Sulaimani, Kurdistan Regional Government, Iraq	**Synthesis and Characterization of a New CrMOF Using Captopril as a Linker and its Integration into Chitosan for Enhanced Optoelectronic Properties**
Evangelia Nikouli General Hospital of Komotini, Greece	**Timing Matters: An Observational Study on Circadian Effects of Spinal Anesthesia in Cesarean Delivery**
Dara M. Jamil & Bakhtyar K. Aziz College of Agricultural Engineering Sciences-University of Sulaimani, Iraq	**A novel UV spectrophotometric method measuring ammonium ions for protein determination in animal food source**
Alessandro Drago Florence University, Italy	**Fast signal Infrared Detection for Astronomy**
Adi Wolfson Sami Shamoon Collage of Engineering, Israel	**Adsorption of Heavy metals from aqueous solutions Using Polysaccharides Hydrogels**

SPEAKER SLOTS AVAILABLE

Rhuana Valdetário Médice
Department of Clinical and Toxicological Analyses, University of São Paulo, Brazil

Exploring the Environmental Chemistry Through the Bioinformatic Lens

---

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

Isotropic phase of nematogens: Solving Landau–de Gennes Modelling Problems

---

Leandro Neves de Assis
Military Fire Brigade of the Federal District, Brazil

Experimental study of the burning pattern in a fire

Mario Malinconico
COMECER S.p.A., Italy

Radiopharmaceutical Dispensing Systems

Garnik Norayr Sargsyan
National Academi of Science of Armenia

Weak shock waves and the possibility of registration their light radiation during low-temperature oxidation of organic compounds in the presence of adsorbed water + negative ion complexes on the reactor surface

---

Zulfiya Shakiryanova
M.Auezov South Kazakhstan Research University, Kazakhstan

An Innovative Way to Use an Extract of the Viticulture By-Products

---

ismail ceesay
Department of Bioengineering Cyprus International University, Turkey

Antioxidant and antimicrobial activities of Dandelion root extract (Taraxacum officinale) and its cytotoxic effect on MDA-MB-231 breast cancer cells

---

Madina Boboqambarova
National Research Nuclear University MEPhI, Russia

MODELING OF THE TEMPERATURE DEPENDENCE OF THE DIFFUSION CHARACTERISTICS OF VACANCIES IN BCC IRON

Vidya Shree Bharti
ICAR-Central Institute of Fisheries Education, India

Engineered Biochar: Sustainable Solutions to Inland Saline Aquaculture

---

Kamala Ismayilova M
Azerbaijan State University of Oil and Gas, Russia

Study of Hydrocarbon Composition of Oil Products Contaminated Soil

---

Mahmoud Balbaa
Biochemistry Department, Faculty of Science, Alexandria University, Egypt

Resveratrol and selenium nanoparticles: A biochemical and molecular assessment for the treatment of type 2 diabetes and associated complications

---

SPEAKER SLOTS AVAILABLE

Khushi Dahiya Deemed to Be University, India	**Sustainable HPLC Method for Resmetirom, a Novel THR-β Agonist: Development, Validation and Greenness Assessment**
Esra Nur Gökhan Beykoz University, Turkey	**The Role of Supply Chain Agility and Resilience in Enhancing Firm Performance**
Valery Ya. Rudyak Novosibirsk State University of Architecture and Civil Engineering, Russia	**Unusual nanofluids. Properties and applications**
Ajay Agarwal Indian Institute of Technology Jodhpur, India	**Sensors for Trace Level Molecular Diagnosis**
Mamoni Das Faculty of Community Science, Assam Agricultural University, India	**Exploring the functional food potential of Grand naine banana flour (GBF) as a prospective weaning formulation by developing GBF-based composite flour mixes**
Ranu Gadi Indira Gandhi Delhi Technical University for Women, India	**Morphological characterization and health risk assessment of Fine Particulate Matter over the National Capital Region of India**
Jordan-Kény Gnansounou Dansi Lovley Professional University, India	**Early Detection and Prediction of Brain Tumor using Deep Learning Technique**
Tharansia Ramachandran Saveetha dental college and hospital, India	**Cytotoxic and Apoptotic Effects of Fisetin on MCF-7 Breast Cancer Cells: A Molecular Docking and Morphological Study**
Shoba Suri Observer Research Foundation, India	**Southern Asian nations paving the path towards food security**
Nafiu Mohammed Zainudeen Department of Nuclear Sciences and Applications, School of Nuclear and Allied Sciences, University of Ghana, Ghana	**Extraction of Gallium in Bauxite Ore Deposits from Sefwi-Awaso Mines: Environmental Effect and Possible Remediation**
Klim Andreyevich Novikov Moscow State University, Russia	**Generation of Triangular Meshes Using Potential Energy Minimization Method**
Beema Jainab S.I Justice Basheer Ahmed Sayeed College for Women, India	**Plant-Microbe Interactions: A Gateway to Sustainable Agriculture and Enhanced Crop Resilience**

SPEAKER SLOTS AVAILABLE

Aashita Bhardwaj National Institute of Food Technology Entrepreneurship and Management, India	**Multi-pin cold plasma treatment of chia (Salvia hispanica L.) seed: Nutritional & anti-nutritional, techno-functional, and structural properties**
Ashanendu Mandal Energy Expert and International Speaker Former Chief general Manager ONGC, India	**Application of solid waste materials for adsorptive removal of toxic phenol from wastewater to protect environment and also to generate circular economy**
Sunita Chauhan Kumarappa National Handmade Paper Institute, India	**Application of Liquid Biofertilizers Derived from Industrial Effluents for Legumes: An Option of Sustainable Waste Management**
Divya Arora National Institute of Food Technology Entrepreneurship and Management (NIFTEM), India	**Bio-based Smart Hydrogels using Hybrid Networks enhancing Stability and Targeted Release of Folic Acid for Food Applications**
Vishal Kumar Central University of Haryana, India	**Uncertainty-Based Efficient Neutrosophic Imputation Methods for Population Mean**
Sourav Sarkar Department of Biomedical Engineering, North-Eastern Hill University, India	**Development of CdS/ZnS Core-Shell Quantum Dot-based MicroPADs for Sensing Applications**
Aigul Myrzabekovna Aksupova Kyrgyz State Technical University under I.Razzakov, Russia	**Physico-Chemical Composition of Rainbow Trout (Oncorhynchus mykiss) Farmed in Different Regions of the Kyrgyz Republic**
Tahar Khair Kazan State Power Engineering University, Russia	**Supramolecular structure and complexation of Gum Arabic in aqueous solutions: What determines its protective functions in nature and technologies?**
Hamid Noori Delhi Technological University,India	**Lime Stabilization in Soil Improvement: A Comparative Evaluation**
Sergey Kuznetsov & Igor Moskalev Prokhorov General Physics Institute of the Russian Academy of Sciences, Russia	**Device for Real Time Measurement of the Compressibility Factor of Gases and Gas mixtures & Microwave Method for Measuring the Compressibility Factor of Gases and Gas Mixtures**
Ravinder Kaur Chandigarh University, India	**From Intention to Action: Understanding E-Waste Recycling through Behavioral Reasoning Theory**

SPEAKER SLOTS AVAILABLE

Samir Kanti Datta Department of chemistry, India	**Fluorescent Chemosensors in the detection of Ultra-trace quantity of Toxic Hg2+, Pb2+, Al3+,F-,AsO43- & AsO33- in water towards monitoring Humam health and management**
Zukhra Yakhshieva Jizzakh State Pedagogical University, Uzbekistan	**Electrochemical Determination of Carboplatin by Amperometric Titration**
Kamila Rashidova Jizzakh State Pedagogical University, Uzbekistan	**Electrochemical Determination of Platinum(II) Ions in Biological and Pharmaceutical samples**
Fatlinda Shkurti & Marinela Muço Ismail Qemali University, Albania	**Hydrochemical assessment and environmental value of karst springs in Vlore county, Albania**
S.Trishaa Birla Institute of Technology and Science, India	**Chemistry in Action in Governance -An Indian Perspective**
Jaishree Suresh Indian Pharmacopoeia Commission, Ministry of Health & Family Welfare, India	**Blinded by the drug? A Vigilyze Signal Linking Semaglutide to NAION**
Parita Mangroliya Parul Institute of Technology, Parul University,India	**Development of Rapid Chromogenic and Fluorescence Spectroscopy-Based Test Protocol to Determine Proper Heat Treatment in Goat Milk**
Hari Mohan Meena University of Delhi, India	**Synthesis of a novel chitosan-TiO2 nanocomposite as an efficient adsorbent for the removal of methylene blue cationic dye from wastewater**
Prahlad Singh Department of Teaching Veterinary Clinical Complex, India	**Influence of Altrenogest-Based Synchronization on Early Puberty Induction in Sahiwal Heifers**
Sundar Balakrishna Government of Andhra Pradesh, India	**Geographical Information Systems Education in Indian Schools – Issues and Solutions**
Mariam Adel Cairo University, Egypt	**Mechanical evaluation of a novel resin infiltrated lithium-disilicate ceramic network versus resin infiltrated feldspathic ceramic network**
Hasan Hamid Ghaffoori Pharmacy Department, Al-Manara College of Medical Sciences, Iraq	**Computational design and molecular insights into acetylcholinesterase inhibitors from Aristolochia indica for Alzheimer's disease therapy**

SPEAKER SLOTS AVAILABLE

Rokaya Hussein Goma Emeritus Professor of Marine Chemistry Lab. of Marine Chemistry, Egypt	**SpatiotempOral Distribution of Urea in Seawater along the Eastern Mediterranean Sea Coast in Egypt**
Yousif Kaream Zyara Department of Chemistry, Faculty of Science, University of Kufa, Iraq	**New Picolylamine Azo Pyrazolone Synthesis, Thermal Behavior, Spectroscopic, Computational and its Application in Sensitized Solar Cells**
Khemraj Pokharel Department of Civil Engineering, Institute of Engineering, Nepal	**Soil Structure Interaction Effect in Foundations**
Hersh Faqe-Mahmood University of Halabja, Iraq	**Eco-Friendly Concrete Solutions the Role of Natural and Recycled Liquid Admixtures in Sustainable Construction**
Waleed Elhefnawy Process Department Manger, KBR, Inc., Alkhobar 34217, Saudi Arabia	**Production Technology of Blue Hydrogen with Low CO2 Emissions**
Vivain Moses Honnalli CHRIST (Deemed to be University), India	**Advancing the Carbon Team Framework Model: Insights from Conceptual Development and Pilot Testing in the Hospitality Industry**
Megha Agarwal Indian Association for the Cultivation of Science, India	**Encapsulation effects on structure and tautomeric distribution of curcumin in β-cyclodextrin cavity: an ion mobility study**
Israa Seliem Zagazig University, Egypt	**DMF-DMA-Based Triazine Derivatives as a Promising Anticholinesterase and Antitumor Agents Targeting EGFR with in silico ADMET studies and Molecular Docking**
Dev Mani Pandey Birla Institute Technology, Mesra, India	**Unraveling the structural and functional characteristics of cocoonase, trypsin, and sericin: An approach towards cocoon softening for the benefit of the silk industry**
Bhavani R Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, India	**DNAfr: Fuzzy Retrieval Primer Design Using Generative Adversarial Networks for DNA Storage**

SPEAKER SLOTS AVAILABLE

Aditya Singh
Amrita Vishwa Vidyapeetham, India

Digital Chemistry for Smart Cities: CrossDisciplinary Framework Using AI, IoT & Chemical Sensors

---

V J Chakravarthy
Dr.M.G.R.Educational and Research Institute Maduravoyal, India

AI based Computational intelligence with CNN

Sakthi Priyadarsini. S
Department of Pharmacognosy, Faculty of Medicine and Health Sciences, SRM Institute of Science & Technology, India

Development of Herbal Toothpaste Against Tooth-Associated Ailments

---

Aravind kumar
AVH Innovations and Metallurgical Laboratory, India

Failure Analysis of a Heavy-Duty Fastener Used in Hydraulic Systems: An Inspiring Study

---

Rohit Mehra
Dr. B. R. Ambedkar National Institute of Technology, India

Removal of Uranium from Aqueous Systems Using Green Cellulose Biosorbent Derived from Banana (Musa paradisiaca) Leaves

---

Prabhat Tripathi
Indian Institute of Information Technology Allahabad, India

ABCP_finder: Transformer Embedding-Based Prediction of Anti-Breast Cancer Peptides

---

Waleed Yahya Ahmed Al-Kassar
Department of Microbiology and Immunology, Faculty of Medicine and Health Sciences, Sana'a University

Expression Of Multidrug Efflux Pump Gene Acrab In Escherichia Coli: A Systematic Review And Meta-Analysis

---

Ahmadallisha Khadar Vali Shaik
BITS, Pilani, India

Tech-Driven Safety: Cultivating a Zero Harm Culture Through Integrated Learning in Workplace Safety

---

Zineb Mansouri
Department of Biology, Mohammed V University in Rabat, Morocco

Haematococcus pluvialis culture contaminated with chytrids: growth management and astaxanthin production

---

Zainab Waheed Abdullah
Department of Applied Mechanics Engineering, Technical College of Engineering, Middle Technical University, , Iraq

Morphological and Mechanical Analysis of Epoxy-Chicken Feather Fiber Composites With COMSOL-Assisted Simulation

---

K S Nagashree
Department of Pharmacology, India

Evaluation of anti-Alzheimer's activity of chromenopyrazolone derivative in Drosophila (UAS & GAL4) and Zebrafish

---

SPEAKER SLOTS AVAILABLE

Ramchandra Mangrulkar SVKM's Dwarkadas J. Sanghvi college of Engineering, India	**Enhancing Feature Selection Using Multi-objective Optimization Concept**
Pallavi Chavan DY Patil's Ramrao Adik Institute of Technology, India	**Enhancing Feature Selection Using Multi-objective Optimization Concept**
Borkha Mech Dibrugarh University, India	**Green Nanotechnology Approaches for Sustainable Drilling Fluid Formulations**
Elizabeth Avosuahi Dania The University of the Western Cape, South Africa	**Spatial access differentials to healthcare facilities: A secondary analysis of the Democratic Republic of Congo**
Meetkumar Kalpeshbhai Thakar Department of Food Safety and Quality Assur, India	**Green Synthesis of Zinc Oxide Nanoparticles from Pomegranate Peel: Exploring Biofilm Development and Antimicrobial Potential**
Arvind W Kiwelekar Dr. Babsasaheb Ambedkar Technological University, India	**Quantum Computing for Drug Discovery**
Tamara Potlog Moldova State University, Republic of Moldova	**Influence of Peripheral Carboxy Group Number on Zinc Phthalocyanine Photo physics**
Dwijesh Ray Physical Research Laboratory, Ahmedabad, India	**Kopargaon LL5 chondrite: events and processes within the parent body of Asteroid and possible linkages**
Leena Singh Galgotias College of Engineering and Technology, India	**Organochlorine and Organophosphate Pesticides and Emerging Pollutants in the Ganga River System: An Overview**
Yogish Kumar H Department of Pharmaceutical Chemistry, JSS College of Pharmacy, JSS Academy of Higher Education and Research, India	**Tetrahydroisoquinoline-based sulfonylthioureas as colon cancer therapeutic agents**
Prashantha Kumar Department of Pharmaceutical Chemistry, JSS College of Pharmacy, India	**Computational and Experimental Approach to Develop Novel EGFR Inhibitors Against Breast Cancer via Multicomponent Reactions**
Sanjiv Kumar Choudhary Birla Institute of Technology and Science, India	**Reimagining Scientific Literacy: A Framework for Future-Focused Science Education**

SPEAKER SLOTS AVAILABLE

Manish Rawat Galgotias University, India	**Synthesis of CuO@MnO2 nanoparticles using renewable precursor for the preparation of 1,2,3-triazoles**
Chandan Surabhi Das Darjeeling Government College, India	**Nutrient Dynamics in Mangrove Mudflats: Impact of Litter and Hydro-Geomorphic Factors**
V. R. Palanivelu Periyar University, India	**Global Market Trends in Biomedical Sensors: Materials, Device Engineering, and Healthcare Applications**
Madhuri Sharon Sharon Institute of Nanotechnology, Parishkar College of Global excellence, India	**Gold Nanoparticles in Neurodegenerative Therapy: Promise, Pitfalls, and the Prospects of Carbon Quantum Dots as Alternatives**
Upasana Bhagawati Amity University, India	**Bionanoremediation of wastewater: An innovative and novel approach**
Rina Ghosh St. Xavier's College, India	**Photophysical and structural aspects of poly-L-tryptophan: π — π stacking interaction with an excited state intermolecular proton transfer probe 3-Hydroxynaphthoic acid revealed by experiments and molecular simulation**
Shafat Ahmad Assistant Professor, Department of Biochemistry, Cluster University, India	**Expression and Purification of p70 (ΔNH2-146/ΔCT104) S6 K, a 57.3 kDa N- and C-Terminal Truncated p70S6 Kinase-GST Fusion Protein in Bacterial Expression System**
Priyanka Mukherjee Asutosh College, India	**Photophysical and structural aspects of poly-L-tryptophan: π — π stacking interaction with an excited state intermolecular proton transfer probe 3-Hydroxynaphthoic acid revealed by experiments and molecular simulation**
Arun Krishnan Indian Institute of Technology Hyderabad, India	**Fabrication and Properties of Carbon Fiber Reinforced Polymer Composites Through Additive Manufacturing**
Daniah Moaz Kashabash Gulf Medical University, United Arab Emirates.	**Beyond guesswork: addressing the wide variability in pediatric iodinated contrast media delivery from an international perspective**

SPEAKER SLOTS AVAILABLE

M. Masilamani Selvam Department of Pharmaceutical Technology, Paavai Engineering College, India	**Sustainable Nanofiltration Using Plant-Derived Materials for Safe Drinking Water**
Priyanka Ramteke Shri Shivaji Science College, India	**Protection of Water Supplies from Contamination of Industrial Chemical Wastewater Disposal of Yavatmal District (MS), India—Case Study**
Shivabasayya. V. Salimath Department of Chemistry, Vellore Institute of Technology, India	**Homoleptic complexes of titanium(IV) fused with O^N^O Schiff base derivatives: design, BSA–DNA interaction, molecular docking, DFT and cytotoxicity†**
Deepak Kumar Verma Netaji Subhas University of Technology, India	**Waste-to-Wealth Conversion of Rice Husk Lignin into an Efficient Green Flame-Retardant Additive**
Eepsita Priyadarshini Galgotias University, India	**Au@ZnS Core–Shell Nanoconjugates as Potent Anti-Biofilm Agents Against ESKAPE Pathogens**
Gnanasundari P RV University, India	**Nanotechnology: An Inherent Technology for Miniaturizationand Space Exploration**
M. Meenakumari S.A.College of Arts & science, India	**In Silico, In Vitro Approach Against Synthesised Bromotriazepineone Derivatives**
Pradeep Kumar S L KITKalaignarkarunanidhi Institute of Technology, India	**Unveiling the armor: experimental study on ballistic impact resistance of silica aerogel, sorbothane, and graphite sandwich composites**
M. Sarasija Green and Medicinal Chemistry Laboratory, India	**Spectroscopic, Structural, And Computational Characterization Of A Novel Piperidyl-Sulfonyl-Thiazolidinone Derivative**
Rakesh Kumar Thakur Central University of Himachal Pradesh, India	**Biochemical Profiling of Freshwater Fish Species from the North-Western Himalayas**
Salah Houria Centre de Recherche Nucleaire d'Alger, Algeria	**Investigation of nuclear reactions rates alteration using IBA methods**
Hemalatha Kanagarajan Department of Pharmaceutical Chemistry, Saveetha University, Thandalam, India	**Molecular Insights and Cytotoxic Evaluation of Newly Synthesized N-(Acridin-9-yl)-N-(2-Substituted Benzoyl) Compounds**

SPEAKER SLOTS AVAILABLE

Assia Bensmida Research and Technology Center of Energy, Tunisia	**Optimization of ethanol-based-organosolv pretreatment of date palm (Phoenix dactylifera L.)**
Himani Sabherwal J.C. Bose University of Science and Technology, India	**Bioengineering of iron oxide nanoparticles using Dalbergia sissoo leaves for diclofenac and tetracycline removal from water: Optimization and prediction by RSM**
Mayank Attri Global Group of Institutes, India	**The KEAP1-Cullin3-RBX1-Nrf2 Axis: A Key Regulator of Redox Homeostasis**
Raja Naika Hanumanaika Central University of Kerala, India	**Species-Specific Accumulation of Microplastics in Edible Marine Species**
Priscilla Joy Karunya Institute of Technology and Sciences, India	**Real-Time Water Quality Assessment Using a Multisensor IoT Monitoring System**
Fatiha Boukarkar Université Ouargla, Algeria	**Decomposition rate of organic carbon under two agricultural systems types in Algerian Sahara using the TBI protocol**
Zohra Bailiche University of AinTemouchent, Algeria	**Modeling and parametric study of benzylthiocyanate Synthesis via heterogeneous iron catalyst using artificial neural networks**
Michael Joy Dara Zaporizhzhia State Medical University, Zaporizhzhia, Ukraine	**Stem Cell Therapy for Hypoplastic Left Heart Syndrome: Safety, Efficacy, and Future Directions**
Mazighi Amina Higher National School of Hydraulics of Blida, Algeria	**Bridging Empirical Formulations and Machine Learning Approaches for Soil Infiltration Modeling in the Mitidja Plain**
Ahmed Mahmoud Mahmoud Hassan omar Environmental Science and Industrial Development Department, Faculty of Postgraduate Studies for Advanced Sciences, Egypt	**Eco-friendly moxifloxacin removal using date seed waste and Ni-Fe LDH: Adsorption efficiency and antimicrobial potential**
Yapi Joel Angba Institut National Polytechnique Félix HOUPHOUET-BOIGNY, Côte d'Ivoire	**Optimization of biosurfactant production by Pseudomonas aeruginosa using rubber tree seed oil as sole carbon source**

SPEAKER SLOTS AVAILABLE

Tanu Arefin Bangladesh University of Textiles	**Fabrication of Antimicrobial Cotton-Black Viscose and Cotton-Polyester Blended-Knit Fabric Using Ag-doped ZnO Nanocomposite**
Tarek Mohamed Kamal Motawi Cairo University, Egypt	**Significance 0f some non-invasive biomarkers in the early diagnosis and staging 0f Egyptian breast cancer patients**
Maissa Dely University of Carthage, Research Laboratory: Technological Innovation and Food Security	**Effects of Electron Beam Irradiation on the Physicochemical, Functional, Nutritional Properties, and Microstructure of Millet Flour (Pennisetum Glaucum L.R.Br.)**
Mutongi Chipo Midlands State University	**Beyond Formal Law: Harnessing African Indigenous Knowledge to Foster Green Marketing Governance and Sharing Economy**
Merzouk ZATOUT Kasdi Merbah University, Algeria	**Rapid and reliable characterization of supersaturated brines and prediction of their mining potential – cases of Algerian brines**
Seemole Tleane Vaal University of Technology	**Advancing Groundwater Remediation through Nanotechnology: Applications**
Mohammad Taufiq Alam Vice-Chancellor, University of Barisal	**Eltrombopag olamine induces apoptosis in human breast and hepatocellular carcinoma cells by the modulation of MAPK, WNT, and caspase-dependent signaling pathways**
Goitom Gebreyohannes Berhe Slovakia Technology University in Bratislava	**ToF-ERDA and PIXE Assessments on Kenticha pegmatite-spodumene ore, a basic study for the extraction of Li, Nb and Ta**
Md. Khorshed Alam University of Barishal	**Enhancement of biomolecule transport via electroporation and investigate pore stabilization dynamics using molecular dynamics simulations (Mechanical evaluation of a ceramic network versus resin infiltrated feldspathic ceramic network) novel resin infiltrated lithium-disilicate**
Mikhail Ostrovsky Emanuel Institute of Biochemical Physics	**SOVIET PROJECT "RHODOPSIN"**

SPEAKER SLOTS AVAILABLE

Rawdah Abduh Ghaleb Whba Taiz University, Yemen	**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**
Fawzi A. Ikraiam Omar Al-Mukhtar University El-Beida	**Mitigating Radiation Damage in Electronics: The Role of SOI Technology and C-V Diagnostics**
Jovana Bogojeski University of Kragujevac	**Environmentally Friendly Methods for Enhancing the Biological Functions of Certain Transition Metals**
Simanye Sam Department of Chemical Sciences, University of Johannesburg	**Piezoelectric Electro spun Nanofiber Mat for The Simultaneous Degradation of Organic Dye Pollutants, Removal of Heavy Metals and Bacterial Disinfection in Water**
Amna Bibi Department of Chemistry, University of Science and Technology Bannu KPK	**Kinetics of silver ion encapsulation as nanoparticles using Vaccinium oxycoccos plant extract for the efficient sensing of Cr(iii) ions and its biological assessment**
Nimra Tanveer University of Agriculture	**AI-Driven Intelligent Packaging for Sustainable and Transparent Food Systems**
Daniel Boateng Institute University of Media, Arts and Communication UniMAC-IJ	**Trauma-Informed Journalism Education in Ghana: Perspectives of Two Critical Stakeholders**
Mounkpoundap Dalouta University of Yaounde I	**Hydrochemistry and water suitability assessment in the locality of Malantouen (Western Cameroon) using water quality indices and multi-criteria decision-making methods**
Faiza Zubair University of Sargodha	**Evaluation of testicular protective effects of Prunus amygdalus and zinc against cadmium induced toxicity in rats**
Aninakwah Isaac & Aboagye Bosco St. Monica's College Of Education	**Chemically-Engineered Biochar for Heavy Metal Removal from Galamsey-Polluted Rivers: A Case Study of Pra and Birim Rivers, Ghana**
Clainos Chidoko & Sinikiwe Gwatidzo Great Zimbabwe University	**Food systems transformation in Southern Africa: Challenges and dilemmas**

SPEAKER SLOTS AVAILABLE

Muhammad Hassan National Centre for Physics	**Influence of Processing Parameters on Microstructure and Electrical Properties of ZnO-Based Varistor Ceramics**
Sidra Kaleem Riphah Institute of Pharmaceutical Sciences, Riphah International University	**Perceptions of Assisted Reproductive Technology and Infertility-Related Stress in Pakistani Couples: A Cross-Sectional Study**
Demeke Zemene Woldia University	**Provenance and Paleotectonic Setting of the Triassic to Lower Jurassic Adigrat Sandstone around Yejube, Blue Nile Basin, Central Ethiopia**
Sadisu Girigisu Federal Polytechnic Offa	**Degradation Study On Rhodemine-B Dye Effluent Using Tungstic Acid/Hydrogen Peroxide System**
Hadi Erfani Islamic Azad University Central Tehran Branch	**Assessing the five continents of Asia, Europe, America, Africa and Australia with the waste management method and the use of sustainable development goals**
Koudjou Nzofang Franky Liza University of Yaounde	**Chemical study and Antiplasmodial activity of a Cameroonian medicinal plant: Ongokea gore (Olacaceae)**
Muneeb Ali H.E.J. Research Institute of Chemistry	**B2S3 Nanosheet for Broad-Spectrum Heavy Metal Purification: A First-Principles Approach to Sustainable Water Treatment**
Arshia Bozorgnia Kashan University of Medical Sciences	**Non-coding RNAs-mediated regulation of the MAPK pathway in gastric cancer: translational perspectives**
Behjat Deiminiat Ferdowsi University of Mashhad	**Gold digital video disc platform modified with graphitic carbon nitride decorated Au–Pt nanoparticles for electrochemical oxidation of methanol**
Azam Zamani Iran University of Science and Technology (IUST)	**Synthesis and Evaluation of ZnFe2O4@ Bi2WO6 Nanocomposites enhanced with Graphene Oxide and Reduced Graphene Oxide: A Novel Approach for Sustainable Photocatalytic Degradation of Organic Pollutant**
Gedefie Gizachew Dessalegn University of Gondar	**Economic and institutional factors influencing bilateral trade in mining and quarrying between China and Africa: A gravity model analysis**

SPEAKER SLOTS AVAILABLE

Noura El Ghoubali University of Mohammed V in Rabat	**Unlocking the Energy Potential of Moroccan Bentonite Clay: Structural, Optical, and Thermal Insights for Advanced Applications**
Siddique ahmad Department of Chemistry, University of Gujrat	**Nature-Inspired Synthesis of Nanoparticles Using Effective Plant Extract for Biomedical Applications**
Frank Ogheneruona OHWOAVWORHUA Gombe State University	**Development of a Novel Milk-based Biomaterial for Applications in Pharmaceutical and Food Industries**
Farshad Akbarnejad Vice-President of the Scientific Department at Rika Shimi Saba Knowledge Co	**Efficacy of licorice extract in dermatology**
Haiwang Djefoulna Victorien Hermann University of Ngaoundere	**Novel Agents Inhibiting the Marburg Nucleoprotein Using Molecular Docking, ADMET, MD, and Quantum DFT Methods**
Abderrahim BOUFTOU & Amine Joual Laboratory of Materials, Processes and Environmental Engineering	**Synergistic interaction of thymol and red cabbage anthocyanins in biodegradable cellulose acetate labels for freshness monitoring & Novel food preservation strategy using sprayed PVA/ chitosan-based coatings activated by macroemulsions of chamomile essential oil adsorbed on activated carbon**
Fouzia Perveen Malik Materials Modeling Lab, National University of Sciences and Technology	**Earth-abundant Aluminum Formate (ALF) as a Sustainable decarbonization solution: A Multiscale computational study using DFT, MD and MC simulations**
Sally Said Ibrahim Ehmedan Arish University	**Synergistic Artemisia monosperma with Royal Jelly: Antibacterial, Antioxidant, Antibiofilm, and Anti-Alzheimer Potential**
Wajeeha Aurangzeb National University of Modern Languages	**Green harmonious human resource management: insights and future research agenda for convergence of sustainability, corporate responsibility and eco-behavior**
Samuel Tesfaye Mekonone University of Gondar	**Investigating charcoal briquette production from municipal solid waste for improved quality**
Sylvere Ndikumana Faculty of Sciences Ben M'Sick, Hassan II University of Casablanca	**Innovative Applications of Sugarcane Bagasse in the Global Sugarcane Industry**

SPEAKER SLOTS AVAILABLE

Delele Worku Ayele Department of Chemistry, Bahir Dar University	**A wireless and redox mediator-free Z-scheme twin reactor for the separate evolution of hydrogen and oxygen**
Cálida Etezana Rodrigues Da Veiga West African Health Organization, Cabo Verde	**What Signal Detection Means in a Small Database?: Case Reports from Cabo Verde**
Ibrahima Sakho University Iba Der Thiam	**Photoionization study of K I and K III in the framework of the Screening Constant per Unit Nuclear Charge method**
Khalid El Bahjaouy University Sultan Moulay Slimane	**Spatial mapping of soil salinity in a semiarid region using a machine learning model based on spectral indices and ground data**
Shamsideen Kunle Alausa Olabisi Onabanjo University	**Radioactivity and health risk in Ofada rice (Oryza Sativa Japonica) and farmland soils near a major cement production in Ibese, Southwestern Nigeria**
Imane Margom Sidi Mohamed Ben Abdellah University	**Minority Power: Driving Change Through Social Influence**
Sadaqat Ali Chattha University of Veterinary and Animal Sciences	**A Novel Recycling Technology for Chrome Shavings**
Joykrisna Saha Department of Textile Engineering, Mawlana Bhashani Science and Technology University, Tangail-1902, Bangladesh	**Modification of cotton fabric with Fe doped Tio2 nanoparticles: A sol-gel synthesis approach towards developing UV shielding, antibacterial, self-cleaning and anti-oxidant properties**
Guessom Kamgue Oulianovie university of Buea	**Use of Aquatic Filter Plants and Medicinal Plants Extracts in the "Bio- Phyto-Purification" In Blood Fluids And Test For The Elaboration of Cancers Therapies Treatments**
Kafayat Odelami Abdulrasheed Department of Physics, Kaduna State University	**Heavy metal Bioaccumulation in food crops grown around Babban Tsauni gold mines and the farm soil contamination assessment by pollution index**

SPEAKER SLOTS AVAILABLE

Banchamlak Tegegne Amhara Public Health Institute	**Evaluation of laboratory workers competency on loop mediated isothermal amplification (LAMP) technology for malaria diagnostics: a technology transfer assessment study (LAMP-TTA) during a multi-site clinical trial**
Aref Noman Ali Noman Alafif Department of Microbiology and Immunology, Faculty of Medicine and Health Sciences, Sana'a University	**Unveiling the Role of the AcrAB Efflux Pump in Escherichia coli: A Systematic Review and Meta-Analysis**
Hafeezullah Babar Soil Fertility Research Institute, Agriculture Research Centre	**Effects of Novel Fulvic Acid Amendments on Soil Structural Stability and Organic Carbon–Nitrogen Pools in Three Agro-Ecological Soils**
Bipu Alam Emon Department of Electrical and Electronic Engineering, University of Asia Pacific	**From Roof to Grid: A Case Study on the Technical and Economic Performance of a 27 kWp Solar PV System at University Campus**
Arash Ebrahimi Comenius University in Bratislava	**Future directions of the heterogeneous catalysis: Polyoxometalate-based covalent organic frameworks**
Oluyinka Omoyeni Akinlotan Kogi State College of Education	**Levels and health risk assessment of organochlorine residues in vegetables from rivers Niger-Benue confluence in Lokoja, North Central, Nigeria**
Dipanwita Chakraborty Giri Institute of Development Studies	**Livelihood Transformation of Tribals through SHG and Water Hyacinth Product Entrepreneurship: A Case in West Bengal**
Tesfay Negassi Gebresilasie Mekelle University	**Simulation based analysis of syngas production from combined solid waste biomass of rice husk coffee husk and sawdust**
Abiodun Adebayo Covenant University Ota	**Assessment of physicochemical and antibacterial properties of structured water samples from Ota, Ogun State, Nigeria**
Matyakubova Parakhat Tashkent State Technical University	**A new measuring instrument was developed for measuring the viscosity of liquids**
Monabbir Rafsan Fahim Bangladesh University of Textiles	**Identification and Prioritization of Barriers to Smart Waste Management Systems in the Textile and Apparel (T&A) Industry**

SPEAKER SLOTS AVAILABLE

Amna Maryam Bibi Department of Mathematics, Faculty of Science, University of Gujrat	**On the predictive power of Sombor indices: from diamond lattices to polychlorinated biphenyls**
Salam Kadhim Al-Dawery University of Nizwa	**An experimental investigation into using sewage effluent to capture CO2**
Qurat-ul-ain University of Gujrat	**Sustainable Synthesis of Metal-Based Nanoparticles by Using Plants for their Medical Applications**
Radhika Khatri Habib University	**Assistive X for Amyotrophic Lateral Sclerosis (ALS)**
Justus Asasira Faculty of Interdisciplinary Studies, Mbarara University of Science and Technology	**A comparative assessment of environmental impacts of production, use, and disposal of a parabolic solar cooker and charcoal for cooking in Uganda**
Engome Regina Wotany Department of Geology, Faculty of Science, University of Buea	**Hydrogeochemical characterization and Isotopic composition as Tracers of groundwater in southeastern Douala, Cameroon**
Afaf EL AZZAOUI Mohammed VI Polytechnic University	**Molecular Engineering of Copper(I) Complexes toward Sustainable Light-Emitting Devices**
Mohsin Ali Raza University of the Punjab	**Lignin Derived Carbon for Supercapacitor Applications**
Ammara Tayyab A Chartered University, Pakistan	**Neutrosophic Gompertz Distribution: Applications in Analyzing Complex Environmental Datasets**
Sadia Noureen University of Gujrat, Pakistan	**Investigation of Resolving Sets in the Molecular Structures of Hypoglycemia Medications**
Zafar Kadiroglu Ministry of Science and Education Republic of Azerbaijan	**Promising materials for optoelectronics CdIn2S4: Experimental studies of electronic properties**
Oleksandr Radchenko Frantsevich Institute for problems of material Science NAS of Ukraine	**The influence of powder particle shape on the macrostructure of material obtained by Direct Energy Deposition (DED)**

SPEAKER SLOTS AVAILABLE

Samndong Cyril Tufoin The University of Bamenda	**Neoproterozoic granitoid hosted quartz magnetite mega veins at Mayo Binka, western Cameroon: Field disposition and petrochemical characteristics**
Tafese Niguse Bule Hora University	**Effect of Strategic alignment and strategic foresight on competitive advantage with mediating role of human capital a case of medium and large firms in Ethiopia**
Meriem Harabi University of Carthage	**Teacher Beliefs, Challenges, and Opportunities Regarding Technology Integration for Teaching Organic Chemistry at University**
Gebreegziabiher Gebremedhin Department of Nutrition and Health System, College of Medicine and Health Sciences, Adigrat University	**Effect of therapeutic lifestyle change on metabolic syndrome in adults: a randomized controlled trial**
Marwa Cheikh Rouhou Laboratoire de Physiopathologie, Alimentation et Biomolécules, Institut Supérieur de Biotechnologie de Sidi Thabet, University of Manouba Tunisia	**Manufacturing of Biodegradable Fiber-boards from Ultrasound-Extracted Fibers of Red Pepper and Tomato By-Products**

SPEAKER SLOTS AVAILABLE

GLIMPSES INTO

OUR PAST CONFERENCES

GLIMPSES INTO

OUR PAST CONFERENCES

GLIMPSES INTO

OUR PAST CONFERENCES

HONORING DISTINGUISHED SPEAKERS

@ OUR PAST CONFERENCES

MEET THE PROFESSOR SESSIONS

@ OUR PAST CONFERENCES

YOUNG RESEARCHER SESSIONS

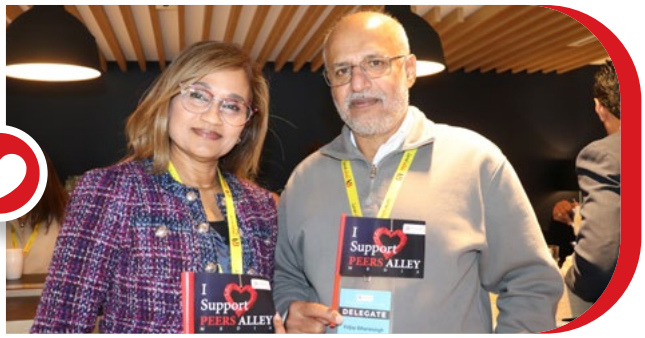
@ OUR PAST CONFERENCES

BOOK LAUNCHES

@ OUR PAST CONFERENCES

WE LOVE & SUPPORT

PEERS ALLEY MEDIA CONFERENCES



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 2026 is scheduled in the Beautiful city "Rome'.

ROME

Rome, the capital of Italy, is a city steeped in history, culture, and architectural marvels. Often referred to as "The Eternal City," Rome seamlessly blends its ancient heritage with modern vibrancy, making it one of the most captivating destinations in the world.

As the heart of the Roman Empire, Rome boasts an extraordinary past dating back over 2,500 years. Iconic landmarks such as the Colosseum, Pantheon, and Roman Forum stand as testaments to its glorious history. The Vatican City, an independent city-state within Rome, is the spiritual and administrative center of the Roman Catholic Church and home to St. Peter's Basilica and the Sistine Chapel, featuring Michelangelo's breathtaking frescoes.

Rome is a haven for art lovers, with world-renowned museums such as the Borghese Gallery and Capitoline Museums housing masterpieces by artists like Caravaggio, Raphael, and Bernini. The city's architecture reflects various periods, from classical Roman to Renaissance and Baroque styles.

Italian cuisine thrives in Rome, where traditional dishes like carbonara, cacio e pepe, amatriciana, and supplì (fried rice balls) are must-tries. The city's lively piazzas, such as Piazza Navona and Campo de' Fiori, offer a charming atmosphere filled with cafés, restaurants, and street performers.

Castel Sant'Angelo

Rome Pantheon

The Roman Colosseum

The Spanish Steps

Trevi Fountain

ADV. CHEMISTRY 2026 7TH EDITION

GLOBAL CHEMISTRY COMMUNITY AND NETWORK

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

WhatsApp No: +1 (506) 909-0537

https://www.chemistryconferences.com/

CONNECT US