

CHEMISTRY | April
MSNC-2026 | 16-17



Chemistry and Chemical Engineering

CONFERENCE (MSNC-2026)

Theme: Exploring New Frontiers in Chemistry and Chemical Engineering



Venue: Salles Ciutat del Prat Barcelona
Airport, Barcelona, Spain



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<https://chemistry-meetings.com>



Glimpses from Previous Edition



Welcome Note:

It is with great pleasure that we welcome you to the **Chemistry and Chemical Engineering Conference (MSNC-2026)**, taking place in the vibrant city of Barcelona, Spain. Building on the success of our previous edition, this conference focuses on the theme “**Exploring New Frontiers in Chemistry and Chemical Engineering**,” inspiring collaboration between discovery and technological advancement.

This conference serves as a dynamic platform not only for chemistry and chemical engineering experts, but also for experts in materials science and nanotechnology bringing together diverse disciplines that drive innovation and scientific progress.

We look forward to your active participation and valuable contributions that will make **MSNC-2026** an inspiring and memorable experience.

Organizing Committee - (MSNC-2026)

SESSION TRACKS

Chemistry and Chemical Engineering

- ▶ Chemistry
- ▶ Catalysis in Green Chemistry
- ▶ Thermodynamics in Chemical Engineering
- ▶ Sustainable and Green Chemistry
- ▶ Polymer Chemistry
- ▶ Material Chemistry
- ▶ Nanomaterials & Nanotechnology
- ▶ Separation Methods
- ▶ Petroleum and Petrochemicals Research
- ▶ Reaction Engineering

Materials Science

- ▶ Biomaterials
- ▶ Applications for Biomedical Devices
- ▶ Material for Textile
- ▶ Emerging Areas of Materials Science
- ▶ Emerging Materials for Energy Storage and Conversion
- ▶ Material Recycling
- ▶ Nano devices and Applications
- ▶ Mining and Metallurgy
- ▶ Innovations in Surface Science
- ▶ Advanced Semiconductor Materials

Nanotechnology

- ▶ Innovations in Nanotechnology
- ▶ Nanotechnology for Energy and Environment
- ▶ Computational and Theoretical Nanotechnology
- ▶ Nanoelectronics and Nano photonics
- ▶ Nanotechnology in Agriculture and Food Science
- ▶ Nanoscience and Emerging Technologies
- ▶ Nano biotechnology and Safety Aspects
- ▶ Nano materials, Biomaterials, and Synthesis
- ▶ Nano medicine and Drug Delivery
- ▶ Future Trends and Applications in Nanotechnology

TENTATIVE PROGRAM

ORAL PRESENTATIONS



Title: Terahertz Applications in Biology

Janez Trontelj | *University of Ljubljana, Slovenia*



Title: Artificial Metallic Structures with Periodic or Aperiodic Patterns for Unusual Intrinsic Properties

Maria Teresa Freire Vieira | *University of Coimbra, Portugal*



Title: Development of Sustainable and Functional Materials from Textile Waste for the Circular Economy

Arantxa Ferrer Carrasco | *Polytechnic University of Madrid, Spain*



Title: mRNA Formulation Development: Looking Beyond the Pandemic

Lingyun Liu | *mRNA Center of Excellence - Sanofi, USA*



Title: Study on Mechanical Properties of Fiber Metal laminates and its Application in Automobile Body

Wenbin Hou | *Dalian University of Technology, China*



Title: Recent Advances in Lead-free Ceramics Materials for Energy Storage

Lucjan Kozielski | *University of Silesia, Poland*



Title: Leaching of Smartphone Screen E-waste Using DES

Seref Sonmez | *Istanbul Technical University, Turkey*



Title: Mono-, di-, and Tetra-cationic Surfactants as Corrosion Inhibitors for Carbon Steel Pipelines in Formation Water During the Natural Gas and Oil Extraction Process

Mohamed Hegazy | *Egyptian Petroleum Research Institute, Egypt*



Title: An Overview of Metal Matrix Nano-composites with Emphasis on Structure, Characterization, Processing Methods and Mechanical Properties Relying on Strength Enhancement Mechanisms

Parvin Abachi | *Sharif University of Technology, Iran*



Title: Structure-Property Relationship of Cellulosic Fibres

Leonard Mwaikambo | *University of Dar es Salaam, Tanzania*



Title: Recent Developments in Microwave-Based Surface and Subsurface Corrosion Sensing

Selcuk Helhel | *Akdeniz University, Turkey*



Title: Drug Delivery Chemical Reaction Mechanisms and Methods for Verifying Efficacy in Biomedicine

Dae Dong Song | *Korea University Sejong Campus, South Korea*



Title: From the Discovery of Quasicrystals to Anti-Counterfeit Applications, or How Science Gets Renewed and Serves Society

Jean-Marie Dubois | *University of Lorraine, France*



Title: The Evaluation of Catalytic Performance, Electron Transfer Property Among Active Metals, and Investigation of Preferred Intermediates of Fe-Based Catalysts under the Function of Cu and K Metals During Low-Temperature Reverse Water-Gas Shift Reaction

Mohammad Mehrizi | *Zhengzhou University, China*



Title: Integrating DFT and Machine Learning to Unravel the Role of Ionic Liquids in Enhancing the Stability and Electronic Structure of $\text{FAPbBr}_{1.125}\text{I}_{1.875}$ Perovskite Solar Cells

Sadegh Kaviani | *A.B. Nalbandyan Institute of Chemical Physics, Armenia*



Title: Synergistic Combination Therapy for Neuropsychiatric Disorder: Integrated Evidence from Cell-Line and In Vivo Studies

Shweta Dang | *Jaypee Institute of Information & Technology, India*



Title: Advances in Nanotechnology Integrated Phyto Therapeutics in the Management of Psychosis: Mechanisms and Emerging Paradigms

Pammi Gauba | *Jaypee Institute of Information & Technology, India*



Title: Nanotechnology-Based Drug Delivery Systems in Breast Cancer Therapy

Reema Gabrani | *Jaypee Institute of Information & Technology, India*



Title: Interpretability in Multi-Modal Frameworks for Ionic Conductivity Prediction in Solid State Electrolytes

Mahita Boyina | *Indira Gandhi Delhi Technical University for Women, India*



Title: Synthesis plastic waste derived carbon nano-materials as anti-bacterial agents

Ahmed Mahdy Hamed Haggag | *Egyptian Petroleum Research Institute, Egypt*



Title: Memory Characteristics and Crystallographic Transformations Governing Reversibility in Shape Memory Alloys

Osman Adiguzel | *Firat University, Turkey*



Title: Integrating SLM-Processed Ti6Al4V Implant Design with Mechanobiological Modeling to Optimize Bone Healing

Muhammad Usama Zaheer | *Gazi University, Turkey*



Title: Evolution Study of the Electrical and Thermal Properties of Polymer-Clay Nanocomposites in Aggressive Environments

Youcef Hattab | *University of Science and Technology of Oran, Algeria*



Title: Fabrication, Characterization, and Evaluation of Guar gum-Grafted Tannic Acid Based Polymer Composite for the Removal of Pb(II) from Wastewater

Ghada Mohamed Taha Ibrahim | *National Research Centre, Egypt*



Title: Dual-Signalling Fluorescent Sensor: “Turn-On” Recognition of Zn^{2+} and Al^{3+} and “Turn-Off” Biosensing of Creatinine

Shanty Antony Angamaly | *St Teresa's College, India*



Title: Materials Science and Responsible Mining in Ghana

Anthony Morkeh | *Ghana Gold Expo Foundation, Ghana*



Title: Effects of CeO_2 Nanoparticles on the Efficiency and Stability of Biological Wastewater Treatment Systems

Denisse López Alvarado | *Universidad de Guanajuato, Mexico*



Title: Nano-Chemistries to Eliminate Infection in Over 45,000 Patients

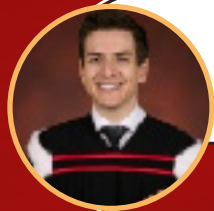
Thomas J. Webster | *Brown University, USA*

POSTER PRESENTATIONS



Title: ALD of SnO₂ Thin Films: Tuning Properties for Environmental Applications

Mattea Mackic Jovanovic | *University of Rijeka, Croatia*



Title: Analysis of Solid-Solid Interactions Between Ice and Surfaces

Alexandre Brailovski | *McGill University, Canada*



Title: Production of Ti-Nb Parts by Injection Moulding

Vinicius Henriques | *Institute of Aeronautics and Space, Brazil*



Title: Double Modification (Mg, Ca, B & P) of Nano-ZSM-5: Effect on Acid Sites, Pore Narrowing, and Shape-Selective Toluene Methylation to p-Xylene

Kanchan Guru | *Manipal University Jaipur, India*



Title: First-Principles Exploration of A₂LiCuH₆ Perovskite Hydrides for Advanced Energy Applications

Ayad Maryam | *Mohammed V University in Rabat, Morocco*

ORAL PRESENTATIONS



Title: Yet to be received

Yang Wenge | *Center for High Pressure Science and Technology Advanced Research, China*



Title: Yet to be received

Bin Zhang | *Lanzhou Institute of Chemical Physics, China*



Title: Yet to be received

Zhenduo Cui | *Tianjin University, China*



Title: Yet to be received

Songul Fiat Varol | *Manisa Celal Bayar University, Turkey*



Title: Yet to be received

Abdulilah Mayet | *King Khalid University, Saudi Arabia*



Title: Yet to be received

Dzhagan Volodymyr | *National Academy of Sciences of Ukraine, Ukraine*



Title: Yet to be received

Saeed Zeinali Heris | *Xi'an University of Science and Technology, China*



Title: Yet to be received

Sun Shiyong | *Southwest University of Science and Technology, China*



[Few speaker slots available]

Important Information:

Venue Information:

Conference Venue: Salles Ciutat del Prat - Barcelona Airport

Address: Avinguda del Remolar, 46, 08820 El Prat de Llobregat, Barcelona, Spain

💰 Registration Fee Details:

Category	Early-Bird Registration Fee
Presenter (In-Person)	\$849
Listener (In-Person)	\$899
Student / Young Researcher	\$399

Registration includes access to all conference sessions, conference materials, networking opportunities, and participation certificate.

📅 Important Deadlines:

Activity	Deadline
Second Round of Abstract Submission	January 30, 2026
Early-Bird Registration Deadline	January 31, 2026

Mark your calendars with these key dates for MSNC-2026.

🔗 Quick Links:

Submit Your Abstract: <https://chemistry-meetings.com/call-for-abstract-submission>

Register Now: <https://chemistry-meetings.com/register>