

Materials | April
MSNC-2026 | 16-17



MATERIALS SCIENCE CONFERENCE (MSNC-2026)

Theme: Pioneering Advances in Materials Science and Innovation



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



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<https://materialsscience summit.com>



Glimpses from Previous Edition



Welcome Note:

It is with great pleasure that we welcome you to the **Materials Science 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 **“Pioneering Advances in Materials Science and Innovation,”** inspiring collaboration between discovery and technological advancement.

This conference serves as a dynamic platform not only for materials science researchers, but also for experts in nanotechnology, chemistry, and chemical engineering-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

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

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

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 Zn²⁺ and Al³⁺ 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 CeO₂ 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

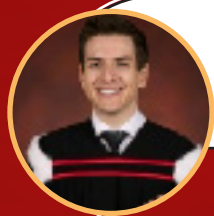
Thomas J. Webster | *Brown University, USA*

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://materialsscience summit.com/call-for-abstract-submission>

Register Now: <https://materialsscience summit.com/register>