



# **NomaTech**

**International Conference  
on Materials Science and  
Nanotechnology 2024**

**July 8-9, 2024**

**ULAANBAATAR**

**MONGOLIA**

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# NomaTech ICMSN 2024



We are thrilled to extend a cordial invitation to researchers, experts, and innovators from across the globe to join us for the inaugural International Conference on Materials Science & Nanotechnology. This two-day scientific gathering is set to take place in the heart of Ulaanbaatar, Mongolia, from July 8 to 9, 2024.

The core objectives of the NomaTech ICMSN-2024 are to delve deep into the most recent innovations, research, and applications in both material science and nanotechnology, showcasing the forefront of global scientific advancements and also playing a pivotal role in amplifying local collaborations within Mongolia. By providing a platform where Mongolian researchers, institutions, and industry experts could interact directly with international counterparts, the conference has fostered an environment conducive to collaborative partnerships.

## Who Should Attend

The conference is open to all the researchers who are interested in exploring the research in material science & nanotechnology. For further information, please contact [info@nomatech.mn](mailto:info@nomatech.mn)

# Why Attend?



## Cutting-Edge Knowledge

Step into the forefront of interdisciplinary research within materials science and nanotechnology.



## Interactive Sessions

Immerse yourself in dynamic sessions, including plenary talks, oral and poster presentations, and exhibitions.



## Foundation Insights

Gain insights from international and national foundations, showcasing opportunities and addressing challenges.



## Unique Cultural Experience

Experience the charm of Mongolia and its nomadic traditions



## Community Engagement

Build lasting relationships within the scientific community

# Day 1 Sessions

## **SESSION 1: NEXT-GENERATION ADVANCED MATERIALS FUNDAMENTALS & APPLICATIONS:**

- Advanced Materials Science - Innovative Experimental and Computational Modeling Approaches and Applications
- Green Materials for Environment and Sustainable Development
- Materials in Optoelectronics - Materials, Fundamentals and Applications
- Emerging Opto-Magnetic Materials - Advances, Trends and Challenges
- Emerging Functional Materials: Surfaces and Interfaces in Electronics and Photonics
- Advanced Coatings and Surface Engineering
- Additive Engineering and 3D Printing
- Materials Chemistry and Engineering

## **SESSION 2: NOVEL TRENDS IN NANOSTRUCTURES & NANOMATERIALS DESIGN & APPLICATIONS**

- Advanced Materials: Nanocomposites, Nanostructures, and Nanoporous Substances
- Functional Nanomaterials: Design, Characteristics, and Applications
- Nanomaterials for Energy and Environmental Applications
- Nanomaterials for Electronics and Photonics
- Graphene and Carbon Nanostructures
- Nanotechnology for Biodegradable Materials and Green Processes
- Nanofluids: Applications and Advancements
- Mineralogy, Crystallography, and Structural Complexity

# Day 2 Sessions

## **SESSION 3: CURRENT AND FUTURE PROSPECTS OF BIOMATERIALS & BIOMEDICAL MATERIALS**

- Biomaterials and Biomedical Materials
- Bioinspired Structural Composites - Advances in Experiments, Simulations and AI-Based Design
- Nanomedicine and Drug Delivery
- Advanced Soft Materials for Bioelectronic Interfaces
- Smart Biomaterials and Bioresponsive Materials
- Sustainable Agriculture, Food Security, and Forestry

## **SPECIAL SESSION: NATURAL AND BIOLOGICAL RESOURCES & TECHNOLOGIES**

- Extraction, Processing, Recycling, and Manufacturing – Natural and Biological Resources
- Powder Metallurgy and Geometallurgy – Science, Technology and Applications
- New Technologies for Utilization of Minerals and Metal Containing Resources
- Global Environmental Protection – Extraction of Raw Materials and Resource Use

# Program At A Glance

## Day 1

08:00-09:00	Registration and Welcome Coffee	13:00-14:00	Lunch Break
09:00-09:30	Inaugural Address	14:00-16:00	Session 2
09:30-10:30	Plenary Talk	16:00-16:30	Tea Break
10:30-11:00	Coffee Break	16:30-17:30	Panel Discussion
11:00-13:00	Session 1	17:30-21:00	Airag Reception / Poster Sessions

## Day 2

08:00-09:00	Registration and Welcome Breeakfast	13:30-15:30	Special Session
09:00-10:00	Plenary Talk	15:30-16:30	Workshop On Ethics
10:00-10:30	Coffee Break	16:30-17:30	Panel Discussion
10:30-12:30	Session 3	17:30-18:00	Closing Remarks and Acknowledgements
12:30-13:30	Lunch Break	18:00-22:00	Evening Banquet / Art and Science Events