

International Conference on Emerging Materials and Technologies for Sustainable Development



February 26-27, 2026

Department of Physics,
Guru Nanak Dev University, Amritsar



Under Rusa 2.0; Centre for Sustainable Habitat

About the Conference

The International Conference on Emerging Materials and Technologies for Sustainable Development aims to bring together leading researchers, academicians, industry professionals to discuss recent advances and future directions in materials science and technology that support sustainable development. The conference focuses on cutting-edge research in advanced two-dimensional and quantum materials, nanomaterials and nanotechnology, thin-film technologies, magnetic and dielectric materials, and sustainable glass and environmental technologies. EMTSD serves as a multidisciplinary platform for knowledge exchange, fostering collaboration between fundamental science and applied technologies, and aims to accelerate the development of innovative materials and solutions for a sustainable and energy-efficient future.

About GNDU

Established in 1969, Guru Nanak Dev University (GNDU), Amritsar, is a state public university recognized by University Grants Commission (UGC). The university has been re-accredited with an "A++" grade by NAAC, scoring 3.85 out of 4.00, highest among all India Central, State Public and Private Universities. GNDU has also been recognized as a "University with Potential for Excellence" by the UGC. With a strong emphasis on research, innovation, and holistic education, the university has earned a distinguished reputation in science, technology, and allied disciplines. Its commitment to academic excellence and sustainable development continues to inspire scholars and researchers across the globe.

About the Department of Physics

Department of Physics at Guru Nanak Dev University (GNDU), Amritsar, is a center of excellence in physics education and advanced research. With a strong academic foundation and a progressive research outlook, the department actively contributes to contemporary scientific and technological advancements. Research strengths include Materials Science, Nuclear Physics, and Quantum Physics & Technologies, with emphasis on emerging materials, nuclear phenomena, and next-generation quantum applications aligned with sustainable development goals. The department offers UG, PG, and PhD programs designed to develop analytical thinking, experimental expertise, and research proficiency. Its alumni are well placed in academia, research institutions, and high-technology sectors worldwide. The Vision of the Department is to emerge as a globally recognized center of excellence in physics education and research.

FOCUS AND SCOPE

Topic of Interest

- Sustainable and green practices in Energy
- Sustainable and Renewable Energy Materials
- Catalytic Hydrogen production and Fuel Cell Technologies
- Batteries, Supercapacitors and Hybrid Sustainable Energy Storage & Conversion devices
- Carbon capture and storage
- Sustainable Environmental Technology
- Emerging Quantum Technologies
- Advanced 2D and Quantum Materials
- Nanomaterials and Nanotechnology
- Magnetic and Dielectric Materials
- Thermoelectric Materials
- Surface Engineering and Thin film Technologies
- Sustainable glass Technology
- Theoretical AI and ML approaches in Materials
- Computational Materials Science and Materials Informatics
- First-Principles Calculations, DFT and Atomistic Modelling

Call for Abstracts

EMTSD-2026, invites abstracts in the broad domains of the conference topics with specific focus on Sustainable Development. Conference presentations will be in Offline mode and Abstracts should be submitted online on the website www.emtsd2026.com

Important Dates

Abstract Submission : February 10, 2026

Abstract Acceptance : February 12, 2026

Last Date for Registration: February 15, 2026

Contact Details

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✉ Email: emtsd2026@gmail.com

🌐 Website: www.emtsd2026.com



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