



International Conference on Next-Gen Materials for Sustainable Future (ICNMSF-2026)



04-06 May 2026

Organized by
Department of Physics
Akal University, Talwandi Sabo, India

In association with
Eternal University, HP

CHIEF PATRON

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Chancellor, Akal University

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Vice-Chancellor, AU

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CO-CONVENOR

Dr. Janpreet Singh, Department of Physics, AU

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- Dr. Aman Mahajan, Guru Nanak Dev University, India
- Dr. Anurag Gaur, NSUT, New Delhi, India
- Dr. G. S. Selopal, Dalhousie University, Canada

AIM AND SCOPE OF CONFERENCE

The International conference aims to bring together scientists, young researchers, academicians, and industry professionals worldwide to share recent scientific advances and discuss real-time challenges in the design and application of functional materials from both experimental and theoretical perspectives. The conference will cover the following broad areas:

Energy Materials

- Hydrogen Generation and Storage
- Renewable and Sustainable Energy Materials
- Photovoltaic and Thermoelectric Materials
- Battery and Advanced Electrode Materials
- Supercapacitors

Electronic, Photonic & Magnetic Materials

- Electronic and Optoelectronic Materials
- Photonic Materials
- Magnetic Materials and Phenomena
- Superconducting and Spintronic Materials

Advanced Functional Materials

- Functional 2D Materials and Their Applications
- Advanced Nanomaterials
- Smart and Multifunctional Materials
- Polymers, Ceramics, Glasses, and Composites
- Sensors, Actuators, and Sensing Devices

Computational & AI-Driven Materials Science

- Computational Physics, Modelling, and Simulation
- Machine Learning and AI-Driven Approaches for Materials Discovery, Prediction, and Optimization

ABOUT THE AKAL UNIVERSITY

Established under Punjab Government Act No. 25 (2015) and recognized under Section 2(f) of the UGC Act (1956), Akal University aims to promote permanent peace through value-based scientific education and spiritual rejuvenation. Founded under the leadership of H.E. (Late) Padma Shri Baba Iqbal Singh Ji with the blessings of Sant Baba Attar Singh Ji Maharaj, the University fulfills a vision prophesied by Guru Gobind Singh Ji. Akal University is committed to high-quality teaching, learning, and research, offering UG, PG, and Ph.D. programs in Mathematics, Physics, Chemistry, Computer Science, Education, Management, Botany, Zoology, English, Punjabi, Psychology, Commerce, Economics, Social Sciences, and Sri Guru Granth Sahib Studies. With a strong commitment to a drug-free and disciplined environment, the University provides a peaceful campus equipped with modern facilities for both teaching and research.

DEPARTMENT OF PHYSICS, AU

The Department of Physics is established with a vision to provide world-class education to undergraduate and postgraduate students. Presently, the department offers a M.Sc. and a three-year B.Sc. degree in Physics under NEP 2020. In addition, the Department of Physics offers a Ph.D. programme in various research areas of experimental and theoretical physics. The department has highly competent and dedicated faculty members with a diverse range of research interests. Our research activities span theoretical and experimental Condensed Matter Physics, Nuclear Physics, High Energy Physics, and Atmospheric Physics.

IMPORTANT DATES

Abstract Submission: 20 March 2026
Acceptance Notification: 30 March 2026
Registration Deadline: 10 April 2026

REGISTRATION

- UG/PG Students: Rs. 1000/-
- Ph.D. Research Scholars: Rs. 1500/-
- Faculty Members: Rs. 2000/-
- Accompanying Persons: Rs. 1000/-
- Industry Participants: Rs. 3000/-
- Foreign Participants: 50 USD

Accommodation will be arranged for participants on prior request as per availability, with nominal charges.
Publication charges are not included in the registration fee.

DISTINGUISHED SPEAKERS

NATIONAL

INTERNATIONAL

- Prof. Ravindra Pandey, Michigan Technological University, USA
- Prof. Yogendra Kumar Mishra, University of Southern Denmark, Denmark
- Prof. Mohammad Khalid, University of Glasgow, UK
- Prof. Dinesh Pathak, University of the West Indies, West Indies
- Dr. G. S. Selopal, Dalhousie University, Canada
- Dr. Sirikanjana Thongmee, Kasetsart University, Thailand
- Dr. Indrani Coondo, University of Aveiro, Portugal
- Dr. Vinod Kumar, University of West Indies, West Indies
- Dr. Nirav Joshi, Luxembourg Institute of Science & Technology, Luxembourg
- Dr. Rajan Saini, Rutgers University, USA
- Dr. Kulwinder Kaur, RCSI University, Ireland
- Dr. Richa Bhardwaj, University of Münster, Germany
- Dr. Navpreet Kaur, University of Brescia, Italy
- Dr. Mandeep Singh, IMEM-CNR Institute, Trento, Italy

- Prof. R. K. Kotnala, Former Chairman NABL & Chief Scientist, CSIR-NPL
- Prof. Anirban Chakraborti, Jawaharlal Nehru University
- Prof. Tulika Maitra, IIT Roorkee
- Prof. S. K. Tripathi, Panjab University
- Prof. R. K. Moudgil, Kurukshetra University
- Prof. S. K. Mahapatra, Central University of Punjab
- Prof. Manish Kumar, Jawaharlal Nehru University
- Prof. Kamlesh Yadav, Allahabad University
- Prof. Gangineni Ramesh Babu, Pondicherry University
- Prof. Alok Sharan, Pondicherry University
- Prof. Aman Mahajan, Guru Nanak Dev University
- Dr. Anurag Gaur, Netaji Subhas University of Technology
- Dr. Manoj Kumar, Jaypee Institute of Information Technology
- Dr. Achchhe Lal Sharma, Central University of Punjab
- Dr. Ashok Kumar, Central University of Punjab
- Dr. Vinod Ashokan, NIT Jalandhar
- Dr. Krishnakanta Mondal, University of Delhi
- Dr. Shammi Verma, Semiconductor Laboratory
- Dr. Tanuj Deswal, Central University of Jammu
- Dr. Vibha Saxena, Bhabha Atomic Research Centre, Mumbai
- Dr. Manmeet Kaur, Bhabha Atomic Research Centre, Mumbai
- Dr. Nishant Chaudhary, Accelerator and Pulse Power Division, Bhabha Atomic Research Centre, Mumbai
- Dr. Jatendra Pal Singh, Manav Rachna University

LOCAL ADVISORY COMMITTEE

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- Dr. Sandeep Singh, ADR, AU

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- Dr. Parminder Kaur, Department of Physics, AU
- Dr. S. K. Singh, Department of Physics, AU
- Dr. Neeraj Sharma, Department of Physics, AU

ORAL/POSTER PRESENTATION

Category 1: UG and PG students

Category 2: Research Scholars

Category 3: Faculty and RA

The top two presenters in each category will be conferred awards.

CONTACT US

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SUBMIT YOUR ABSTRACT HERE

