



TALWANDISABO



International Conference on Next-Gen Materials for Sustainable Future



(ICNMSF-2026)

(Hybrid Mode)

04-06 May 2026

Organized by

Department of Physics

Akal University, Talwandi Sabo, India

In association with

Eternal University, HP

CHIEF PATRON

H.E. Baba (Dr.) Davinder Singh Ji
Chancellor, Akal University

PATRON

Prof. Gurmail Singh Vice-Chancellor, AU

CONVENOR

Dr. Ramandeep Kaur, Department of Physics, AU

CO-CONVENOR

Dr. Janpreet Singh, Department of Physics, AU

ORGANIZING SECRETARIES

Dr. Jaspal Singh, Department of Physics, AU
Dr. Puneet Negi, Department of Physics, EU

Financial Support from



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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

ADVISORY COMMITTEE

- Prof. S. K. Tripathi, Panjab University, India
- Prof. Tulika Maitra, IIT Roorkee, India
- Prof. Ravindra Pandey, Michigan Technological University, USA
- Prof. R. K. Kotnala, Former Chairman NABL, Raja Ramanna Fellow DAE & Chief Scientist, CSIR-NPL, India
- Prof. Yogendra Kumar Mishra, University of Southern Denmark
- Prof. Shantanu Bhattacharya, Director, CSIR-Central Scientific Instruments Organisation (CSIO), Chandigarh
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- Prof. Kamlesh Yadav, Allahabad University, India
- Dr. Ashok Kumar, Central University of Punjab, India
- Prof. Manish Kumar, JNU, India
- Dr. Vinod Ashokan, NIT Jalandhar, India
- Dr. Tanuj Deswal, Central University of Jammu, India
- Dr. Rajan Saini, Rutgers University, USA
- Dr. Achchhe Lal Sharma, Central University of Punjab, India
- Dr. Aman Mahajan, Guru Nanak Dev University, India
- Dr. Anurag Gaur, NSUT, New Delhi, India
- Dr. G. S. Selopal, Dalhousie University, Canada

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.

- Selected high-quality manuscripts will be considered for publication in a Special Issue of the Scopus-indexed journal **Micro** (Impact Factor: 1.9), with 100% APC waiver (no publication charges)
- All accepted abstracts will be published in the Conference Abstract Book with an ISBN number.

IMPORTANT DATES

Abstract Submission: 25 April 2026

Registration Deadline: 27 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.
- Please Note: Registration fee is Non-Refundable

DISTINGUISHED SPEAKERS

INTERNATIONAL

- Prof. Ravindra Pandey, Michigan Technological University, USA
- Prof. Daniel R. Neuville, CNRS, IPG, Université de Paris, France
- 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. Ankur Sood, Yeungnam University, Gyeongsan, South Korea
- Dr. Indu Sharma, Chung-Ang University, South Korea
- Dr. Jamilur R. Ansari, Yonsei University, South Korea
- 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
- Dr. Kamalpreet Kaur Waraich, American International University, Kuwait

LOCAL ADVISORY COMMITTEE

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- Dr. Bubun Banerjee, ADR, AU
- Dr. Sandeep Singh, ADR, AU

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- Dr. S. K. Singh, Department of Physics, AU
- Dr. Neeraj Sharma, Department of Physics, AU
- Dr. Pankaj Kumar, Department of Physics, AU

NATIONAL

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- 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. 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. Jatendra Pal Singh, Manav Rachna University
- Dr. Vibha Saxena, Bhabha Atomic Research Centre, Mumbai
- Dr. Manmeet Kaur, Bhabha Atomic Research Centre, Mumbai
- Dr. Nishant Chaudhary, Bhabha Atomic Research Centre, Mumbai

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 with awards.

CONTACT US

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**SUBMIT YOUR
ABSTRACT HERE**

