



NBL - 2025



भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

INTERNATIONAL CONFERENCE ON NANOTECHNOLOGY FOR BETTER LIVING

A Joint Initiative by University of Kashmir & IIT Hyderabad

7 - 11 September' 2025

NBL-2025, a five-day mega event jointly organized by two premier Institutions of the country, University of Kashmir and Indian Institute of Technology Hyderabad under the patronage of eminent academicians and able administrators, is to be held at University of Kashmir Hazratbal Srinagar, in which around 200 National and International delegates and 30 invited speakers are expected to attend.

Chief Patron: Prof. Nilofer Khan | **Patrons:** Prof. B. S. Murty, Director IIT Hyderabad, Prof. S. Pirzada, Dean Academics, UoK, Prof. M.S. Bhat, Dean, Research, UoK | **Co-Patron:** Prof. Naseer Iqbal, Registrar UoK | **Organizing Chairs:** Prof. Rabia Hamid, Prof. Manish K. Niranjan

■ **UNIVERSITY OF KASHMIR: A BRIEF PROFILE:** University of Kashmir (UoK) is NAAC accredited grade A+ and ranked 14th SPU as per the NIRF ranking 2024. The University is committed to provide an intellectually stimulating environment for productive learning to enhance the educational, economic, scientific, business and cultural environment of the region and is committed to promote high quality research and Innovations. The UoK is situated in Srinagar city of UT of J&K at Hazratbal, approx. 20 km from the Srinagar International Airport. **For more visit website:** <https://kashmiruniversity.ac.in>

■ **INDIAN INSTITUTE OF TECHNOLOGY HYDERABAD: A BRIEF PROFILE:** Indian Institute of Technology Hyderabad (IITH) is a premier institute of science and technology established in 2008. IITH has been consistently ranked in the top 10 institutes in India for Engineering according to NIRF making it one of the most coveted schools for science and technology in the country. The very foundation of IIT Hyderabad is based on research and innovation. **For more visit website:** <https://www.iith.ac.in>

■ **BACKGROUND & CONCEPT:** Nanotechnology has emerged as a transformative field with significant impacts on healthcare & medicine, energy, environment, electronics, and advanced materials. As global challenges continue to evolve, the role of nanotechnology in providing sustainable and innovative solutions becomes increasingly critical. The conference aims to highlight recent advancements and foster discussions on how nanotechnology can contribute to better living.

■ **OBJECTIVE:** The International Conference on Nanotechnology for Better Living (NBL-2025) aims to bring together researchers, academicians, industry experts, and students to share insights, present research findings, and discuss future directions in nanotechnology. The event will serve as a platform for exchanging ideas and establishing collaborations to address real-world problems through cutting-edge innovations.

■ **THEME:** The theme of NBL-2025 is "Nanotechnology for Sustainable and Enhanced Living". The conference will focus on utilizing nanotechnology and advanced materials to solve critical challenges in healthcare & medicine, energy storage, nanoelectronics & biosensors, environmental protection, food security and sustainable development.

■ **TOPICS OF INTEREST:** The conference will cover a wide range of topics, including: **Advanced Nanomaterials and Nanocomposites | Energy Harvesting, Storage, and Transportation | Nanotechnology in Healthcare and Medicine | Sustainable Technologies for Environment and Agriculture | Food Technology, Biotechnology and Information Systems | Computational Nanoscience, Simulation, Machine Learning, and AI | Industrial Innovations and Smart Manufacturing | Disaster Management, Remote Sensing, and Climate Resilience**

Conference Structure:

The five-day conference will include:

- ✓ **Keynote Speeches:** Delivered by globally renowned experts in nanotechnology.
- ✓ **Plenary Sessions:** Featuring discussions on emerging trends and challenges.
- ✓ **Technical Sessions:** Oral and poster presentations by participants.
- ✓ **Workshops and Tutorials:** Hands-on sessions on advanced techniques & tools in nanotechnology.
- ✓ **Industry Expo:** Exhibition of nanotechnology-based products and innovations.
- ✓ **Networking Sessions:** Opportunities for collaboration and knowledge sharing.
- ✓ **Cultural Program:** Showcasing the rich cultural heritage of Kashmir.

Core Organizing Committee:

Prof. Rabia Hamid, Nanotechnology | Prof. Waseem Bari, Physics | Dr. Ghulam Nabi, Physics | Dr. Javaid A Sheikh, Electronics
Dr. Mushtaq A Beigh, Nanotechnology | Dr. Faheem Arjamend, Nanotechnology | Dr. Shafquat Majeed, Nanotechnology
Dr. Tariq Maqbool, Nanotechnology | Dr. Ajaz Ahmad Dar (IN), Chemistry | Dr. Gulzar Ahamd Bhat, Chemistry

■ **Call for Papers:** The conference invites original research papers, review articles, and case studies. Selected papers will be published in reputed peer-reviewed journals or conference proceedings.

LAST DATE OF ABSTRACT SUBMISSION: MAY 31ST 2025

For details of registration fee and accommodation, please visit University of Kashmir/NBL-25 website: <https://kashmiruniversity.ac.in/>
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FOR REGISTRATION

Conference Website Link:
<https://nbl2025.uok.edu.in/>