

# INTERNATIONAL CONFERENCE ON NANOTECHNOLOGY FOR BETTER LIVING (NBL-2025)

7 - 11 September' 2025

## NBL-2025 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.

## 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
- Science Policy for a Resilient, Inclusive, and Sustainable Future

## CONFERENCE STRUCTURE: *The five-day conference will include:*

- KEYNOTE SPEECHES:** Delivered by globally renowned experts in Nanoscience & Technology  
**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 Nanoscience & Technology  
**PRE-CONFERENCE SESSIONS:** A session with college students for inspiring them towards research and innovation goals of India  
**INDUSTRY EXPO:** Exhibition of Nanotechnology-based products and innovations; innovators meet  
**NETWORKING SESSIONS:** Opportunities for collaboration and knowledge sharing  
**CULTURAL PROGRAM:** Showcasing the rich cultural heritage of Kashmir

## EXPECTED OUTCOMES

- A comprehensive understanding of the latest advancements in Nanotechnology and their applications
- Strengthened collaborations between academia, industry, and research institutions
- Identification of research gaps and future directions in Nanotechnology
- Enhanced awareness of the ethical and societal implications of Nanotechnology
- A platform for young researchers to showcase their work and gain mentorship from global experts

## TARGET AUDIENCE:

- Researchers and academicians in nanotechnology and related fields
- Industry professionals and entrepreneurs
- Policymakers and government representatives
- Students and young scientists
- Innovators and startups

**Chief Patron:** • Prof. Nilofer Khan, Vice Chancellor, University of Kashmir

**Co-Chief Patron:** • Prof. B. S. Murty, Director, IIT - Hyderabad

**Patrons:** • Prof. S. Pirzada, Dean Academics, UoK • Prof. M. S. Bhat, Dean Research, UoK • Prof. Bharat Bhooshan Panigrahi, Dean Academics, IITH

**Co-Patron:** • Prof. Naseer Iqbal, Registrar/ Department of Physics, UoK

**Organizing Chair:** • Prof. Rabia Hamid, Department of Nanotechnology, UoK

**Co-Organizing Chair:** • Prof. Manish K. Niranjana, Department of Physics, IIT - Hyderabad

**Honorary Advisor:** • Prof. M. A. Shah, NIT Srinagar

## SCIENTIFIC ADVISORY COMMITTEE

- Prof. Mohamed Henini, University of Nottingham, UK
- Prof. Lucia Gemma Delogu, University of Padua, Italy
- Prof. B. R. Murty, Director IIT Hyderabad
- Prof. Bharat Bhooshan Panigrahi, IIT Hyderabad
- Prof. Mohammad Mobin, Vice Chancellor, CUS, Srinagar, Kashmir
- Prof. Shakil Ahmad Romshoo, Vice Chancellor, IUST Kashmir
- Prof. A. Ravinder Nath, Vice Chancellor, Central University Kashmir
- Prof. K. VijayRaghavan, NCBS-TIFR, Bangalore
- Prof. Shahid Jameel, Oxford University, UK
- Prof. L. S. Shashidhara, Director NCBS-TIFR, Bangalore
- Prof. Vivek Polshettiwar, TIFR Mumbai
- Prof. Mridula Gupta, University of Delhi
- Prof. Praveen K Vemula, iBRICS-inStem, Bangalore
- Prof. Absar Ahmad, Aligarh Muslim University, Aligarh
- Prof. Abhijit Majumdar, IIT Bombay
- Prof. Bushra Ateeq, IIT Kanpur
- Prof. Ashok Kumar, IIT Kanpur
- Prof. Dr. Abir De Sarkar, INST Mohali
- Prof. Aftab Alam, IIT Bombay
- Dr. N. Vijayan, NPL, New Delhi
- Prof. Nooruddin Khan, University of Hyderabad
- Dr. Aravind Kumar Rengan, IIT Hyderabad
- Prof. M.A. Shah, NIT Srinagar
- Prof. Sajad A. Loan, Jamia Millia Islamia, New Delhi

## CORE ORGANIZING COMMITTEE

- Prof. Rabia Hamid, Head - Department of Nanotechnology, UoK
- Prof. Waseem Bari, Department of Physics, UoK
- Prof. Gulam Nabi, Department of Physics, UoK
- Dr. Javaid A. Sheikh, Department of Electronics, UoK
- Dr. Mushtaq A. Beigh, Department of Nanotechnology, UoK
- Dr. Faheem Arjamend, Department of Nanotechnology, UoK
- Dr. Shafquat Majeed, Department of Nanotechnology, UoK
- Dr. Tariq Maqbool, Department of Nanotechnology, UoK
- Dr. Ajaz A. Dar, Department of Chemistry, UoK
- Dr. Gulzar Ahamd Bhat, Department of Chemistry, UoK



## LIST OF CONFIRMED SPEAKERS AT NBL-25:

**Prof. B. R. Murty**  
IIT Hyderabad

**Prof. Mohamed Henini**  
University of Nottingham, UK

**Prof. Bharat Bhooshan Panigrahi**  
IIT Hyderabad

**Prof. Praveen K. Vemula**  
iBRICS-inStem, Bangalore

**Prof. Mohammad Mobin**  
AMU Aligarh

**Prof. Vivek Polshettiwar**  
TIFR, Mumbai

**Prof. Lucia Gemma Delogu**  
University of Padua, Italy

**Prof. C. Subramaniam**  
IIT Bombay

**Prof. M. Aslam**  
IIT Bombay

**Prof. N. Vijayan**  
NPL, New Delhi

**Prof. Absar Ahmad**  
AMU, Aligarh

**Prof. Dr. Abir De Sarkar**  
INST, Mohali

**Prof. Abhijit Majumdar**  
IIT Bombay

**Prof. Ashok Kumar**  
IIT Kanpur

**Prof. Bushra Ateeq**  
IIT Kanpur

**Prof. Subha Narayan Rath**  
IIT Hyderabad

**Dr. Aravind Kumar Rengan**  
IIT Hyderabad

**Prof. Bhuvanesh Ramakrishna**  
IIT Hyderabad

**Prof. Manish K. Niranjana**  
IIT Hyderabad

**Prof. Narendra Kurra**  
IIT Hyderabad

**Prof. Satyabrata Jit**  
IIT BHU

**Prof. Mridula Gupta**  
University of Delhi

**Prof. Surya Jammalamadaka**  
IIT Hyderabad

**Prof. Prem Pal**  
IIT Hyderabad

**Prof. Satish Shinde**  
IIT Hyderabad

**Prof. Shakil Ahmad Romshoo**  
Earth Sciences, UoK

**Prof. Nooruddin Khan**  
University of Hyderabad

**Prof. Harliya Hj. Harun**  
IoT, Kuala Lumpur, Malaysia

**Prof. Sajad A. Loan**  
JMI, New Delhi

**Dr. Shabir Hassan**  
Khalifa University, UAE

**Dr. Rehan Khan**  
INST, Mohali

**Dr. Deepak Bharadwaj PVP**  
NIPER, Guwahati, Assam

**Dr. Mohan C. Joshi**  
JMI, New Delhi

**Dr. Padmini Panday**  
Chung-Ang University, Seoul, RSK

**Dr. Ravi Mani Tripathi**  
Amity University, New Delhi

**Prof. Anima Nanda**  
Sathyabama Institute, Chennai

**Dr. M. Jamaal Dar**  
IIIM, Jammu

**Prof. Mohsin Bhat**  
University of Kashmir

**Dr. M. Altaf Bhat**  
CIRI, University of Kashmir

**Dr. Adil Gani**  
Food Technology, UoK

## Registration, Fee details & Submission of Abstracts in NBL-25

Category	Early Bird Registration Till June 30, 2025 Registration Fee (INR)*	Early Regular Registration Till July 15, 2025 Registration Fee (INR)*
Research Scholars	2000	3000
Faculty/Researchers from Academia/R&D Institutes/ Govt. Organizations	3500	5000
Industry	10000	15000
Accompanying person	2000	3000

\*Registration fee is excluding nominal charges for accommodation in the University of Kashmir Guest House / International Hostel provided on first come first serve basis. Request for accommodation should be made via email

[nbl2025@uok.edu.in](mailto:nbl2025@uok.edu.in)

at the time of registration on website

<https://nbl2025.uok.edu.in/>

## CONTACT INFORMATION:

**Prof. Rabia Hamid**

Organizing Chair, NBL-2025/  
Department of Nanotechnology,  
University of Kashmir

For registration, submission of abstract and other information, please visit website: <https://nbl2025.uok.edu.in/>, <https://kashmiruniversity.net/>.  
Contact details for queries/ clarifications regarding NBL-25:  
Prof. Rabia Hamid: +91 9419548985, Prof. Gulam Nabi: +91 7006263637,  
Dr. Tariq Maqbool: +91 9419019004, Dr. Javaid A. Sheikh: +91 9419090554  
Email: [nbl2025@uok.edu.in](mailto:nbl2025@uok.edu.in)



FOR  
REGISTRATION  
SCAN THIS  
QR CODE