



FFMSDEE-2025

**NATIONAL CONFERENCE
ON
FRONTIERS IN FUNCTIONAL MATERIAL FOR
SUSTAINABLE DEVELOPMENT OF ENERGY AND
ENVIRONMENT**

**Organized
By
Department of Chemistry
School of Basic & Applied Science
Harcourt Butler Technical University
Kanpur-208002,
Uttar Pradesh, INDIA**

Contact Persons
*Dr. Santosh Kumar: 06307657521
Dr. Krishna Kumar: 07355793945
Dr. Shaili Pal: 07607902004*



19th – 20th May, 2025



HBTU, East Campus

**Registration open
Upto
18 May 2025
Scan for registration**



Contact
Email id: ffmsdee-2024@hbtu.ac.in

**NATIONAL CONFERENCE ON
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Date of Conference: 19-20 May 2025



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Objective of the Conference

The recent scientific and technological developments are pillars of modern aspects of science and technology. This could be possible by the fruitful exchange of ideas and effective collaboration among scientist, engineers and researchers from different dimensions of science, technology and industries. In this junction, Department of Chemistry, School of Basic & Applied Sciences, Harcourt Butler Technical University, Kanpur has brought up a unique platform for students, researchers and academicians to discuss and deliberate research and translation in functional materials related areas. Researchers and scientists engaged in various discipline of sciences will deliver the talk on the topics of their best expertise and share their latest research findings in the following areas of:

Topics to be covered in the Conference

- Materials for energy storage and Conversion
- Advanced Materials for Water Purification
- Advanced Polymer Synthesis
- Functional and Smart polymeric Materials for Green Energy & Sustainable Environment
- Polymers in Energy Applications
- Sustainable Polymers
- Applied Catalysis in Energy Engineering
- Sustainability and Clean Energy
- Nanotechnology in Energy and Environment
- Removal and Degradation Strategies for Organic pollutants and other Emerging Pollutants
- Carbon Capture, Storage and Utilization
- Environmental System Modelling and Optimization
- Solar cells and Energy
- Alternative fuels Strategies for India
- Innovative Recycling Strategies – Recycle, Reuse, Reduce, Rethink.
- Functional and Smart polymeric Materials for Green Energy & Sustainable Environment

About the Department

The Department of Chemistry is one of the oldest department of HBTU, Kanpur established in 1924. The department has formulated a dynamic and relevant curriculum for UG, PG and Ph.D program being run in the university and possesses an excellent infrastructure. The basic aim of this department is to introduce new combination of theoretical studies, technologies in industrial applications and research-oriented activities. To carry out research in cutting edge areas, both of basic and applied nature, at par with international standards the Ph.D. Students are educated and trained to become world class scientists. The department is globally recognised for its outstanding research in polymer science, solar energy conversion and storage, chemical kinetics, synthesis and evaluation of wastewater treatment, environmental remediation, coordination chemistry and spectroscopy. The department has suitable infrastructure supported by modern equipment to train the students.

The department imparts education in Physical, Organic, Analytical and Industrial Chemistry at U.G, P.G and Ph.D. level. The qualified and depicted faculty of this department have published good number of research papers in National and International journals of repute. The department also imparts testing and consultancy facilities to the industries of Kanpur and nearby areas to improve the quality of their products. The main strength of the department has been research and development for last ten decades.

Chief Patron

Prof. Samsher

Hon'ble Vice Chancellor, HBTU



Patron

Prof. Dipteek Parmar

Pro Vice Chancellor, HBTU



Chairman

Prof. Manoj Kumar
Dean, School of Basic & Applied
Sciences



Convenor

Dr. C. L. Gahlot
Professor
Department of Chemistry



Coordinator

Dr. Santosh Kumar
Head & Associate Professor
Department of Chemistry



Coordinator

Dr. Krishna Kumar
Associate Professor
Department of Chemistry



Organizing Secretary

Dr. Shaili Pal
Assistant Professor
Department of Chemistry



Panel of Expert

International Expert Panel:

1. Prof. Mohd. Rizwan
Department of Electro-analysis and Electrochemistry
Univesity of Lodz, Tamka, Poland
2. Prof. Sanjay Mathur
Director, Institute of inorganic Chemistry, University of Cologne, Germany
3. Prof. R. S. Verma
US Environmental Protection Agency, Centre of Environmental solution and Emergency, USA
4. Prof. Devesh Mishra
Department of Metallurgical, Material and Biomedical Engineering
University of Texas At El Paso, United States

National Expert Panel:

1. Prof. Man Singh, School of Chemical Sciences, Central University of Gujarat.
2. Prof. Akhilesh Verma, Department of Chemistry, North Campus, University of Delhi.
3. Dr. B. China Raju, Scientist F, IICT, Hyderabad
4. Prof. S. S. Umare, VNIT, Nagpur
5. Dr. K. K. Shukla, Dept of Biochemistry, AIIMS Jodhpur
6. Prof. J. K. Bera, Department of Chemistry, IIT Kanpur
7. Prof. R. N. Goyal, Department of Chemistry, IIT Roorkee
8. Prof. Amalendu Chandra, Department of Chemistry, IIT Kanpur
9. Dr. K. Shankar, Senior Principle Scientist, CIMAP, Lucknow
10. Dr. T. C. Sami, Ex. Dy. Director, DMSRDE, Kanpur
11. Dr. Saroj Sharma, Principal Scientist, Central Salt & Marine Chemicals Research Institute, Bhavnagar, Gujarat
12. Prof. K. D. Mandal, Department of Chemistry, IIT BHU
13. Dr. D. S. Bag, Scientist F, DMSRDE, Kanpur
14. Prof. V. Ganeshan, Department of Chemistry, Institute of Science, BHU
15. Prof. S. Krishnamoorthi, Department of Chemistry, Institute of Science, BHU
16. Dr. Ansul Yadav, Department of Water Resources Development and Management, IIT Roorkee
17. Dr. S. K. Tripathi, Scientist F, DMSRDE, Kanpur
18. Prof. Vivek Verma, Department of Materials Science & Engineering, IIT Kanpur
19. Prof. D. Goswami, Department of Chemistry, IIT Kanpur
20. Dr. Atul Beharwal, Director, Safety Auditor & Trainers, Kanpur

National Advisory Committee

1. Prof. Man Singh, Central University of Gujarat
2. Prof. P. P. Solanki, BHU
3. Prof. Alok Mittal, MANIT Bhopal
4. Prof. Hitesh D Patel, Gujarat University, Ahmedabad
5. Prof. J. K. Bera, IIT Kanpur
6. Dr. Ashish Dubey, DMSRDE, Kanpur
7. Prof. K. R. Genwa, J. N. V. University, Jodhpur
8. Dr. K. Shankar, Senior Principle Scientist, CIMAP, Lucknow
9. Dr. N. Manickam, Chief Scientist, IITR, Lucknow
10. Dr. Pooja Khare, Principle Scientist, CIMAP, Lucknow

Contact:

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Organizing Committee

Dr. Sadhna Singh	Ms. Shalini Singh
Dr. Anamika	Ms. Nandita Pathak
Dr. Shubham Jaiswal	Ms. Parul Singh
Dr. Sandhya Singh	Ms. Shruti Sharma
Dr. Priya Singh	Ms. Ira Singh
Dr. Deepak Kumar	Ms. Sapana
Dr. Ashwini Yadav	Ms. Puspha Suryabanshi
	Mr. Ravi Kumar

Fee Details:

Industrial Person	:	Rs. 5000/-
Faculty/ Scientist	:	Rs. 2500/-
Research Scholar/Post. Doc.	:	Rs. 1500/-
PG Students	:	Rs. 1000/-
UG Students	:	Rs. 500/-

Registration Details:

This National Conference is open to PG students of Science and Engineering, Researchers, Faculty members and Scientists from Universities, Colleges, R&D institutes, Laboratories, and researchers from Industry. Certificate will be provided for all the registered participants. The interested participants are requested to complete the registration form attached herewith and submit the pdf file to the conference e-mail id: ffmsdee-2024@hbtu.ac.in

Important Dates:

Last date of submission of abstract: 15 May 2025

Notification of acceptance of abstract: 17 May 2025

Last date of Registration: 18 May 2025



Registration Link: <https://forms.gle/qfhok9ascczP6bPp7>

Registration QR Code

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Registration Form

Name :

Designation/Course :

Students/Research Scholar/Post :

Doc./Faculty/Industry

Affiliation :

Conference theme: :

**(Select from focusing area of the
conference)**

Mode of Presentation :

(Oral/Poster)

Corresponding Address :

Contact No. :

(Whatsapp No.) :

Email ID :

Fee Amount :

Mode of Payment :

Transaction Details :

Date :

Signature :