

About IIIT:

Established in the year 2001, IIIT Noida is a “Deemed to be University” under Section 3 of UGC Act 1956. The institute is NAAC (MHRD) accredited and NIRF (MHRD) ranked for excellence in teaching and research. State-of-the-art environmentally conditioned campus comprises smart buildings with Wi-Fi connectivity covering the Academic Block, Business School cum Research Block, Faculty Residences, Student Hostels, and Annapurna which provides a pleasant and stimulating ambience. The institute has well-equipped modern laboratories and an intellectually stocked Learning Resource Centre and E-Resources in the form of journals and other learning materials.

The Physics and Materials Science & Engineering (PMSE) department offers Physics and Materials Science courses to B. Tech./M.Sc. The Department also has Ph.D. program in the areas of Nanoscience and Multifunctional Nanomaterials, Energy and Advanced Functional Materials, Atomic and Molecular Physics, Photonics and Plasmonic, Quantum Optics and Quantum Information, Thermoelectric, Superconducting Materials Laser Plasma Interaction and High Energy physics. Until now, the Department has produced 35 Ph.D's and at present, 36 students are pursuing their Ph.D in various fields of research.

Objective and scope of Workshop:

The primary objective of WAMB-2024 is to delve into the cutting-edge developments in materials that can enhance the performance, and sustainability of batteries. Attendees will have the opportunity to gain insights into novel materials, and emerging technologies that have the potential to revolutionize battery technology. and research labs about the recent trends in these areas. Workshop lectures will be delivered in a way that participants not having prior experience in battery will be able to understand the concept.

Following key areas will be covered:

1. Next-Generation Electrode Materials
2. Highly Conductive Materials for Electrolytes
3. Solid-State Batteries
4. Nanotechnology in Battery Design.
5. Sustainable Materials for Battery Application
6. Characterization Techniques (Basic to Advanced)
7. Understanding Degradation Mechanism in Battery.

Chief Patrons:

Hon'ble Shri Jai Prakash Gaur Ji

Hon'ble Shri Manoj Gaur Ji

Patrons:

Prof. S. C. Saxena

Pro-Chancellor IIIT

Prof. B. R. Mehta

Vice-Chancellor, IIIT

Organising Committee:

Chairperson: Prof. D. .K. Rai

IIIT Advisory Committee:

Prof. Anirban Pathak

Prof. S. P. Purohit

Prof. R. K. Dwivedi

Prof. Navendu Goswami

Convenor(s): Dr. Ashish Bhatnagar

Dr. Manoj Tripathi

Co-Convenor: Dr. Anuraj Panwar

Dr. Dinesh Tripathi

Secretary: Dr. Ravi Gupta

Members:

Prof. A. Pathak (HOD)

Prof. Navneet Sharma

Prof. Papia Chowdhury

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Prof. Suneet Kr. Awasthi

Dr. Vikas Malik

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Dr. Amit Verma

Dr. Prashant Chauhan

Dr. Anshu Varshney

Dr. A. P. S. Chauhan

Dr. B. C. Joshi

Dr. Guru Prasad Kadam

Dr. Indrani Chakraborty

Dr. Urbashi Satpaty

Dr. Radha K Gopal

Dr. Anuj Kumar

Dr. Sandeep Mishra

Dr. Vaibhav Rawoot

Dr. S. Halder



विद्या तत्त्व ज्योतिसमः

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

(Deemed to be University under section 3 of UGC act 1956)

A-10, Sector-62, Noida-201309, Uttar Pradesh

Three days Workshop

on

**ADVANCED MATERIALS FOR BATTERIES
(WAMB)-2024**

February 19-21, 2024



Organized by

**Department of Physics and Materials Science
and Engineering, IIIT Noida**



Scheme for Promotion of Academic and Research Collaboration

Who can participate: PG students, Faculty, Researchers, Scientist, Industrialist & Engineers.

Contact details:

Dr. Ashish Bhatnagar +91-735590396

Dr. Manoj Tripathi +91-7409627749

Email: wamb2024@gmail.com

Advisory Committee:

| | |
|-----------------------|------------------------------|
| Prof. M. Majumdar | Monsah University, Australia |
| Prof. Ram Gupta | Pittsburg State Univ. ,USA |
| Prof. R. K. Singh | BHU, India |
| Prof. T. N. Rao | ARCI Hyderabad |
| Prof. Amreesh Chandra | IIT Kharagpur |
| Prof. S. A. Hashmi | University of Delhi |
| Prof. Shobhit Omar | IIT Kanpur |
| Prof. Amita Chandra | University of Delhi |
| Prof. Ambesh Dixit | IIT Jodhpur |

Speakers:

Prof. M. Majumdar
Monsah University, Australia



Prof. S. Ogale, IISER Pune



Prof. Sagar Mitra, IIT Bombay



Prof. Anil Verma, IIT Delhi



Prof. B. Kale , CMET, Pune



Prof. S.A. Hashmi
University of Delhi



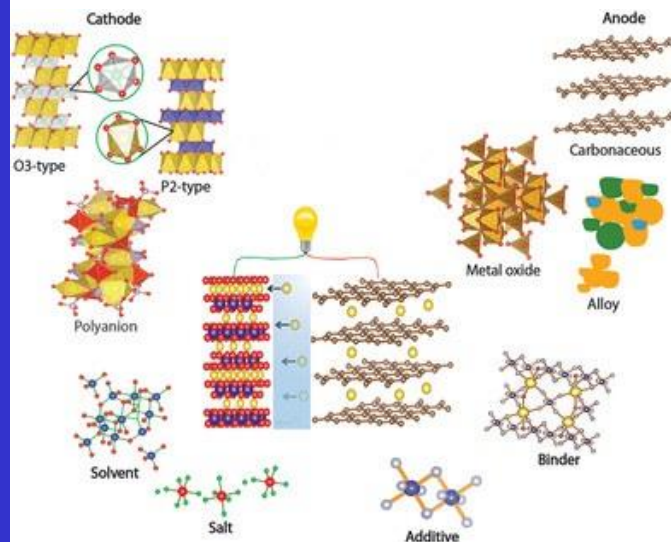
Prof. Amreesh Chandra
IIT Kharagpur



Prof. Shobhit Omar
IIT Kanpur



Prof. Ambesh Dixit
IIT Jodhpur



Important Dates:

| | |
|----------------------|--------------------------|
| Registration open: | January 26, 2024 |
| Registration closed: | February 10, 2024 |

Registration Fee

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|--------------------------|----------|
| Industry Personal | INR 2000 |
| Academicians/ Scientists | INR 1500 |
| Research Students | INR 1000 |

Payment of Fee:

Online:



<https://payments.cashfree.com/forms/WCSPMS>

How to Register:

Pay the registration fee with above link & fill the registration form using the following link:

<https://forms.gle/pBhQgA8ZJXC2JYUM6>

How to Reach:

Metro:

The institute is situated just opposite to Noida Electronic City metro station.

Train:

Noida is well connected to the New Delhi, Old Delhi and Ghaziabad railway stations by bus. Cabs can be hired just outside the railway stations.

Airport:

The nearest airport to Noida is New Delhi airport. You can either take metro or hire a taxi from airport to reach IIIT.

Travel Support:

Travel support and accommodation will be provided to the participants as per the university policy.