

## 5-Days Online Workshop

On

**Waste to Energy**  
7<sup>th</sup> to 11<sup>th</sup> April, 2025

Organized by



DEPARTMENT OF BIOTECHNOLOGY

JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

(Deemed to be University)

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



**Convenor**

**Prof. Pammi Gauba**

**Organizers**

**Dr. Anirudh Sharma**

**Dr. Ankisha Vijay**

### About JIIT

Established in the year 2001, JIIT 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.

### About the Department

The Department of Biotechnology at JIIT Noida, established in 2002, offers B.Tech, Integrated B.Tech-M.Tech, M.Tech, M.Sc, and Ph.D. programs. The department's 27 faculty members have extensive research experience in areas such as microbiology, biochemistry, molecular biology, environmental sciences, and bioinformatics. Research focuses on natural product therapeutics, microbial and food technology, environmental biotechnology, protein engineering, and medical biotechnology.

### Objective and scope of Workshop

The Waste to Energy Workshop aims to provide insights into innovative technologies and sustainable strategies for converting waste materials into valuable energy resources. The workshop will cover advancements in biofuels, biogas, thermochemical and biochemical conversion processes, and the role of circular economy principles in waste management. Participants will gain knowledge on the environmental and economic benefits of waste-to-energy solutions and their applications.

### Following key areas will be covered:

- Fundamentals of waste-to-energy technologies
- Biochemical and thermochemical conversion methods
- Role of microbes and enzymes in bioenergy production
- Advanced nanotechnology applications in waste valorization
- Case studies on industrial-scale waste-to-energy projects

### Who can participate

**Students, Researchers, Faculties,  
Scientists, Industrialist & Engineers**

## Invited Speakers



**Prof. Virendra K Vijay**  
National Coordinator-Unnat  
Bharat Abhiyan program, Govt  
of India, Center for Rural  
Development and  
Technology, IIT Delhi, India



**Prof. Suparna Mukherji**  
MPCB Chair Professor,  
Environmental Science and  
Engineering Department  
IIT Bombay, Mumbai, India



**Prof. Kaustubha Mohanty**  
Department of Chemical  
Engineering,  
IIT Guwahati, Guwahati,  
Assam, India



**Prof. Meenu Chhabra**  
Department of Bioscience  
and Bioengineering  
IIT Jodhpur,  
Rajasthan, India



**Dr. Arshad Salema**  
Associate Professor  
School of Engineering,  
Monash University,  
Selangor Darul Ehsan,  
Malaysia

## Invited Speakers



**Dr. Abrar Inayat**  
Associate Professor  
College of Engineering  
University of Sharjah,  
Sharjah, United Arab  
Emirates



**Dr. Sachin Kumar**  
Scientist  
Sardar Swaran Singh  
National Institute of Bio-  
Energy-MNRE, Govt. of  
India, Kapurthala, Punjab



**Dr. Kongkana Goswami**  
Assistant Professor  
Assam Kaziranga  
University  
Assam, India



**Dr. Hemanathan Kumar**  
Senior Researcher  
Neste  
Poorvo, Finland



**Mr. K R Raghunath**  
Founder & CEO  
KIS Group Sustainability  
Hesarghatta Road,  
Bangalore, India

## Important Dates

Registration Open: 01 March 2025

Registration Closed: 02 April 2025

Date of workshop: 07-11 April 2025

**Registration Fee: Rs. 300/-**

## PAYMENT LINK/QR CODE

Please refer the QR code and  
payment link:



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

## REGISTRATION LINK:

<https://forms.gle/4p3dw7CjEfdJTU9BA>

For any query:

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Dr. Ankisha Vijay: +91-9799840110