



NATIONAL INSTITUTE OF TECHNOLOGY ANDHRA PRADESH

(AN INSTITUTE OF NATIONAL IMPORTANCE UNDER THE MINISTRY OF EDUCATION)
TADEPALLIGUDEM, WEST GODAVARI (DT.), ANDHRA PRADESH



DEPARTMENT OF BIOTECHNOLOGY

A FIVE DAY FACULTY DEVELOPMENT PROGRAMME (ONLINE) ON "WASTE TO BIO-ENERGY: A SUSTAINABLE SOLUTION"

SEPTEMBER 13 - 17, 2021

ADVISORY COMMITTEE

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About NIT Andhra Pradesh

National Institute of Technology Andhra Pradesh is the 31st institution among the chain of NITs started by the Government of India. NIT Andhra Pradesh was established in the state of Andhra Pradesh in the year 2015. The institute offers B.Tech., M.Tech., M.S. (by Research), and Ph.D. programmes in various engineering disciplines.

ABOUT FDP AND CONTENT

This online FDP on "Waste to Bio-energy: A Sustainable solution" aims in bringing about the recent advancements in the field of bioresource technology for the production of Bioenergy along with value added products and waste minimization. This Five-day FDP is intended for faculties, scientists, research scholars working on biovalorisation of wastes to renewable chemicals and biofuels, to impart advanced knowledge and will cover the following core areas:

- Biofuels Production
- Biomass Gasification and Liquefaction.
- Algae biorefinery
- Enzyme production
- R& D Challenges in Bioenergy



ABOUT THE DEPARTMENT

The Department of Biotechnology, NIT Andhra Pradesh offers Undergraduate (UG), MS (by Research), M-Tech and PhD (full-time/part-time) programme. The research interests of faculty members include Pre and Probiotics, Microbial Biotechnology, Nano-technology, Biochemical Engineering, Modelling and Simulation of Bioprocesses, Bioinformatics and Computational Biology, Plant Biotechnology, Biopolymer, Environmental Biotechnology, Drug Delivery and Phytopharmacology.

EVENT SCHEDULE

Date and Time	Topic and Speaker of the Session
13.09.2021 (10:30 am - 12:00 noon)	A Biorefinery Approach toward Biofuels and Other Value-Added Products from Biomass Gasification Waste Prof. Kannan Pakshirajan Indian Institute of Technology Guwahati
14.09.2021 (10:30 am - 12:00 noon)	UN-SDG Inspired Vision-Driven Journey to derive Sustainable Solutions to some of the Contemporary R&D Challenges Of Waste Valorization into Bioenergy and High-value Biorenewables Dr. Ramkrishna Sen Indian Institute of Technology Kharagpur
15.09.2021 (10:30 am - 12:00 noon)	Hydrothermal Liquefaction as a Possible Solution to Convert the Unsegregated MSW to Fuels and Energy in the Indian Context Dr. R. Vinu Indian Institute of Technology Madras
16.09.2021 (10:30 am - 12:00 noon)	Biofuels And Enzymes Production using Bioresources: Technology Innovations and Applications Prof. Sanjoy Ghosh Indian Institute of Technology Roorkee
17.09.2021 (10:30 am - 12:00 noon)	Microalgae a Potential Feed Stock for Biofuel: Factors Regulating Enhanced Lipid Production Prof. R. P. Singh Indian Institute of Technology Roorkee

ELIGIBILITY AND REGISTRATION

Registration is open to Faculty Members, R&D Scientists, Industry Professionals, and PhD Scholars but limited to 100 participants.

Registration fee - **Rs. 200/-** & Last date for registration: **3rd September, 2021**

Participants will be intimated by 8th September 2021. E-certificates will be issued only to the participants who attend all the session

Details for registration and fee payment are given in the below link.

Participants are requested to fill the form in the given link: <https://forms.gle/a3azmX7v5nDvqR8k6>



KEYNOTE SPEAKERS

Prof. Kannan Pakshirajan, IIT Guhuwati **Dr. Ramkrishna Sen, IIT Kharagpur** **Dr. R Vinu, IIT Madras** **Prof. R. P. Singh, IIT Roorkee** **Prof. Sanjoy Ghosh, IIT Roorkee**