



FACULTY DEVELOPMENT PROGRAM (FDP) (ONLINE MODE) ON

Advancements and Innovations in Biofuels and Biorefineries: A sustainable solutions for future

(05/05/2025 to 09/05/2025)

Organized by

Department of Biotechnology, NIT Warangal

in association with

CENTRE FOR TRAINING AND LEARNING, NIT Warangal

(Established under the MMTTP Scheme, UGC, Govt. of India)

Preamble:

The Centre for Training and Learning (CTL) has been established at NIT Warangal with grants from the Min. of Education, through its scheme "Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT)". Under this Scheme, a separate building has been built exclusively for the CTL activities, with the state-of-art training facilities that include a studio for production and uploading of video and e-lectures on various subjects of higher education, training halls to train the faculty in various theme areas of Science and Technology, humanities and social sciences, linguistics and communication skills, pedagogy and cognition evaluation, etc. among others. One of the important objectives of the Centre is to conduct training programmes for the aspiring, newly inducted and in-service faculty in science, engineering, social sciences disciplines in higher education. Other activities of the CTL include preparation of print and e-learning materials, offering on-line courses, curriculum design, carrying out research in educational technology and pedagogy and integrating with ICT into teaching-learning process. The CTL has special programmes of training for the marginalized and women-faculty.

About FDP:

The emerging trend in biofuels and biorefineries is centered on the transition to more sustainable energy systems that reduce dependence on fossil fuels, lower greenhouse gas emissions, and promote the circular economy. As global concerns about climate change, energy security, and resource depletion grow, biofuels and biorefineries offer promising solutions by converting renewable biological resources, such as plant materials, algae, and waste, into energy, chemicals, and other valuable products.

Major Course Contents:

- Introduction to the Biorefineries and Biofuels
- 2G Bioethanol production
- Novel Biodiesel production
- Biohydrogen production
- Bioelectrochemical technologies for Bioelectricity generation
- Biochemical production through biological routes
- Precision fermentation for LCB based biochemical production
- Wastewater utilization for commodity chemical generation
- Metabolic engineering of cells for bio production.

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal and Academicians in the concerned field from IITs/NITs/CSIR/Industries have been invited to deliver lectures in the programme.

Registration Fee Particulars:

Faculty	Rs.1180/-
Students / Research Scholars	Rs. 590/-
Industry Participants	Rs.2360/-

Registration fees includes GST. Participants need to pay the registration fees online using the following details

Online Transfer Details

Account Name: **HEAD, CTL NITW**
Account No: **40376545007**
IFSC: **SBIN0020149**
Bank and Branch: **SBI, NIT (REC) Warangal**

How to apply:

Participants are required to fill the online registration form by clicking on the following link:

<https://forms.gle/sGxcjSCBmXtTMsMk6>

Selection Criteria:

Selection will be done on a first-come-first-serve basis to a maximum of 100. Additionally, 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case the candidate is not selected, the registration amount will be refunded. Candidates will be issued certificates on successful completion of the course. Reservations are followed to select candidates as per GOI norms.

Important dates:

Last date (Application & DD)	1/05/2025
Selection List by E- mail	2/05/2025

About NIT Warangal and Biotechnology Department:

National Institute of Technology Warangal, formerly known as Regional Engineering College, was established in 1959. Over the years, it has developed into a premier institute of higher learning and is ranked among India's top technical education institutions. The Department of Biotechnology was established in the year 2006 with B.Tech in Biotechnology. It also offers M.Tech and doctoral programs in Biotechnology. The faculties are actively engaged in majorly three research groups- Cell and Molecular Biology, Bioprocess Engineering and Computational Biology. The department is equipped with state of art research facilities catering for cutting edge research.



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1. Name :
2. Designation :
3. Institution :
4. Email :
5. Mobile No :
6. Payment Details
Reference No:
Amount:
Bank :
Date:

7. Address for Correspondence:
8. Educational Qualification:
9. Subjects taught so far:
10. No. of refresher courses/workshops attended:
11. Experience (in years):
12. Teaching: Research: Industry:

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinator in case, I am unable to attend the course.

Date:

Place:

Signature of the Applicant

It is requested to all the delegates, after completion of application form, all the payment details, screenshot of the payment and scanned application form must be uploaded in the following online registration link.

Registration Link: <https://forms.gle/sGxcjSCBmXtTMsMk6>

For more details about CTL of NIT Warangal, please visit:

<https://www.nitw.ac.in/page/?url=/NITWCTL/tabs>

For more enquiries please contact:

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Coordinators

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