



FACULTY DEVELOPMENT PROGRAM (FDP) (ONLINE MODE) ON

Fungal Biotechnology: Emerging Trends and Applications

(05/08/2024 to 09/08/2024)

Organized by

Department of Biotechnology, NIT Warangal

in association with

CENTRE FOR TRAINING AND LEARNING, NIT Warangal

(Established under the PMMMNMTT Scheme, Ministry of Education, 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 (PMMMNMTT)". 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:

Fungi/Yeast have been extensively used in industrial processes, playing pivotal roles in producing enzymes, biofuels, organic acids and pharmaceuticals. Fungal also infest diseases in humans and plants. Despite the vast potential of fungal biotechnology, several challenges exist. FDP paves the way for understanding the genetic manipulation of fungi, scaling up fungal fermentation processes, optimizing production yields, strain selection and screening, and understanding fungal biology and metabolic pathways.

Major Course Contents:

- Introduction to the fungal world
- Fungal genetics
- Fungal Pathogens
- Development of novel anti-fungal therapeutic approaches
- Fungal Fermentation and Products
- Biofuels production
- Fungal remediation of wastewater treatment
- Metabolic engineering of yeast for bioproduction.
- Antibiotics, enzymes and chemicals from fungal source

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.1000/- |
| Students / Research Scholars | Rs. 500/- |
| Industry Participants | Rs.2000/- |

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/CL33ysTEuiKFRc1x7>

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) | 29/07/2024 |
| Selection List by E- mail | 31/07/2024 |

About NIT Warangal:

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. 14 Departments offer eight undergraduate and 31 post-graduate programs besides doctoral programmes. About 5000 students nationwide and about 500 international students study on the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure: a state-of-the-art library, seminar halls, guest houses and research laboratories.



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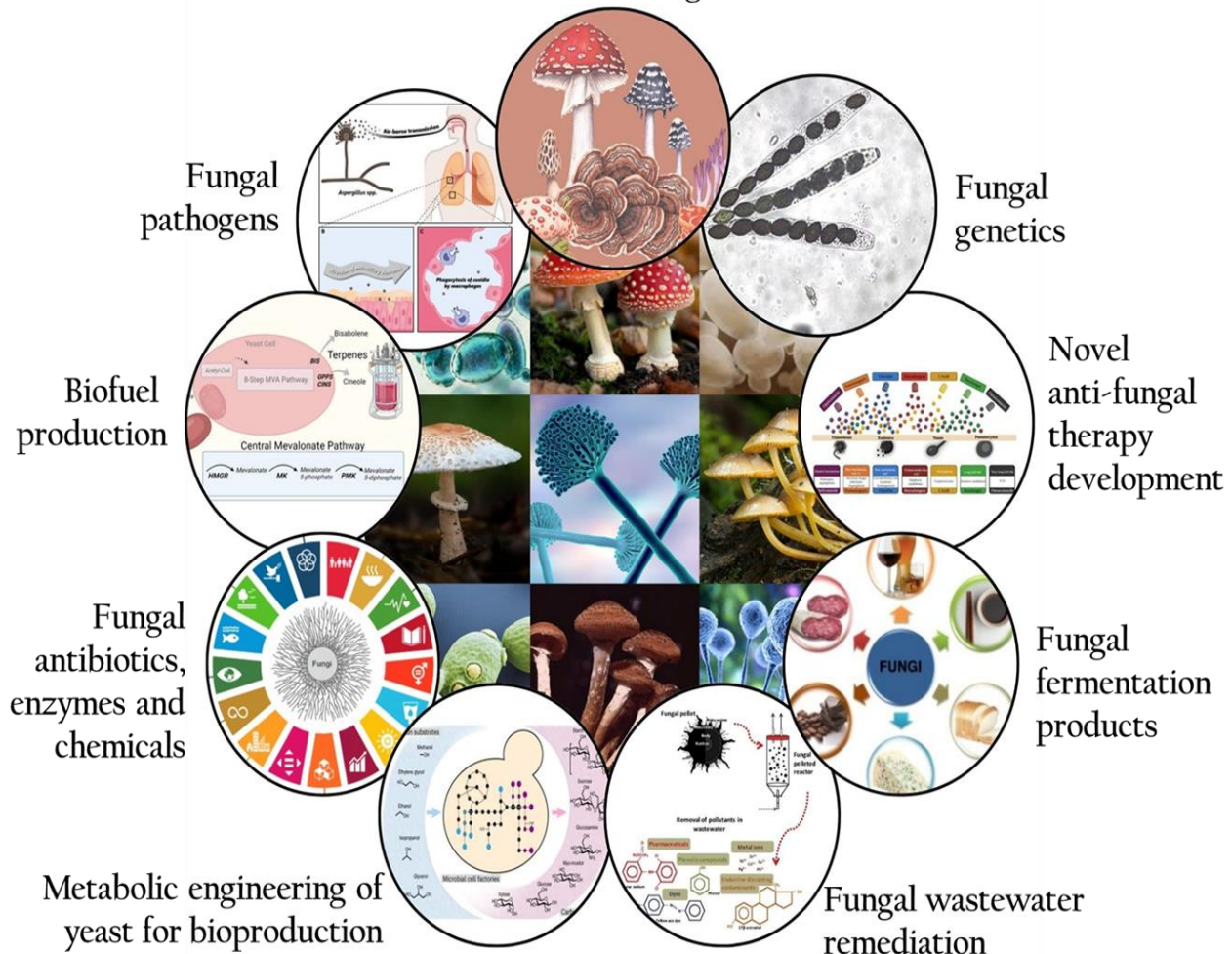
(Established under the PMMMNMTT Scheme, Ministry of Education, Govt. of India)

About the Department

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 Department has a team of well experienced faculties graduated from IIT's, NIT's, Central Universities and other premier institutes of higher learning. The faculties are actively engaged in majorly three research groups- Cell and Molecular Biology, Bioprocess Engineering and Computational Biology. The department is equipped with basic to some of the advanced instruments and softwares to carry out research in biotechnology and bioinformatics.

Areas to be covered in the FDP

Introduction to the world of fungi





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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:

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/CL33ysTEuiKFRc1x7>

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

<https://nitw.ac.in/tlc>

For more enquiries please contact:

Dr. Ashish A Prabhu

Dr. Priya

9582700174

9167474235

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

Coordinators

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