



**PMMNMTT  
Scheme**



**An Online Faculty Development  
Programme  
On**

**Advances in Biological  
Wastewater Treatment Methods:  
Teaching and Learning Strategies**

**7<sup>th</sup> – 11<sup>st</sup> September 2020**

**Call for Registration and Participation**

**Coordinators:**

**Dr. Surajbhan Sevda  
Dr. R. Satish Babu**

**Organized by**

**Department of Biotechnology  
in association with  
Teaching-Learning Centre  
National Institute of Technology  
Warangal – 506 004, India.**



**Overview of the workshop:**

This workshop would help in bringing out new simplified and effective teaching techniques of environmental biotechnology and concepts for a thorough understanding of the students. The programme would help the participants in understanding the importance of water and wastewater reuse, and treatment in various applications of the industry and daily public life. Participants would learn the recent advancements in biological wastewater treatment strategies used in water treatment plants. Participants could learn the analysis methods used for water and wastewater characterises. Participants could understand the challenges and prospects in environmental biotechnology and could make students realize possible outcomes/errors in their laboratory experiments.

**Objectives of the Workshop:**

- To update the participants with the recent advances in new biological treatment methods for drinking water and wastewater treatment.
- To enhance the understanding of the new methods and materials used for water reuse, drinking water treatment, industrial and municipal wastewater treatment.
- To empower the teaching and learning capabilities of the participants with emphasis on improvisation of their teaching skills of advanced topics of Environmental Biotechnology.

- To equip the participants with the knowledge of the experimental technique for teaching and research in Environmental Biotechnology.

**Topics in the Workshop:**

- Biological Wastewater Treatment
- Bioelectrochemical System
- Water Treatment and Reuse
- Advance analytical methods in water and wastewater analysis
- Principles and methods of technical teaching and learning management system

**Resource Persons:**

Eminent researchers and faculty members from IITs, IISc, NITs, Centrally funded Institutes and abroad Universities will deliver the lectures.

**Registration is open to:**

- Faculty members of higher education Institutions in both Engineering and Science institutions who work and teach Environmental Engineering and biological wastewater treatment.
- Research Scholars aspiring for positions in technical teaching in the areas of Biochemical Engineering, Environmental Engineering, Biotechnology, and related interdisciplinary areas.

**How to Apply:**

Eligible candidates may register by using the following link:

[https://docs.google.com/forms/d/e/1FAIpQLScSDn8W6W8OqDDFbhJjrQ7QP3WmEICKKlqwzecz6b8wVgB6w/viewform?usp=pp\\_url](https://docs.google.com/forms/d/e/1FAIpQLScSDn8W6W8OqDDFbhJjrQ7QP3WmEICKKlqwzecz6b8wVgB6w/viewform?usp=pp_url). The programme is conducted online. The number of participants in the workshop is limited to 100. Candidates are advised to apply early to avoid disappointment.

### Registration Fee:

Category of participants	Registration Fee
Faculty	Rs. 600/-
Research Scholars	Rs. 400/-

**Note:** Registration fee for Faculty and Students of SC/ST category is **half of the amounts** mentioned above as applicable.

### Bank Details:

Registration fee can be **remitted On-line / NEFT** to the Bank Account given below. Local participants may also pay the registration fee in cash to the Coordinators in the Department of Biotechnology.

Account Name	DIRECTOR Research, NIT WARANGAL
Account Number	62266262236
Bank	State Bank of India
Branch	REC Warangal (NIT Campus)
Branch Code	20149
IFSC code	SBIN0020149

### Brief profile of the Department of Biotechnology:

The Department of Biotechnology commenced with B.Tech program in Biotechnology (2006), also offers M.Tech and doctoral program in Biotechnology. The Department has highly motivated, experienced faculty members carrying out research in key areas of biotechnology. At present 18 PhD scholars are carrying out their research work under the guidance of faculty in the department. Currently the department has more than 10 research projects funded by DBT/DST/ICMR/CSIR, Govt. of India and also one international High Performance Computing consortium Project on Covid19.

### 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 the top 20 technical education institutions in India. There are 14 departments offering eight undergraduate and 31 post-graduate programmes besides doctoral programmes. About 5000 students across the country and about 500 international students study on the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure in the form of state of the art library, seminar halls, guest houses and research laboratories.

### Teaching-Learning Centre of NIT Warangal:

The Teaching-Learning Centre (TLC) is established at NIT Warangal with grants from the MHRD, GOI under the scheme, 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching' (PMMMNTT). Many senior and young faculty members across various departments of the institute are associated with this center as members of the Core-Team. One of the important objectives of the center is to conduct training programs for Aspiring, Newly Inducted and In-Service faculty in Science and Engineering disciplines. Other activities of the TLC include preparation of e-learning materials, offering courses on-line, curriculum development, carrying out research in pedagogy and integrating ICT into teaching-learning process.

### About Warangal:

Warangal is the second largest city of the new state of Telangana. It is situated at a distance of 140 km from the state capital Hyderabad (Nearest Airport). It is well connected by Rail (Kazipet Junction is two km away and Warangal Station is 12 km away) and by Road (NH 202). Warangal is renowned for its rich historical and cultural heritage. It was the seat of erstwhile Kakatiya dynasty. It is a seat of tourist attractions with a number of historical monuments like Thousand Pillars Temple, Warangal Fort, Bhadrakali Temple, Ramappa Temple and Lakanavaram Lake located in a radius of 30 kms.



**For any queries regarding this workshop, please contact any of the following coordinators.**

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