5-day FACULTY DEVELOPMENT PROGRAM (FDP)
ON
Emerging Trends in Organic Synthesis and Catalysis

(9th - 13th February, 2026)

Organized by

CENTRE FOR TRAINING AND LEARNING, NIT Warangal

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

in association with

Department of Chemistry

National Institute of Technology (NIT), Warangal

Preamble:

The Centre for Training and Learning (CTL) has been established at NIT Warangal with grants from the Ministry 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 programs 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 programs of training for the marginalized and women-faculty.

About FDP:

The FDP on *"Emerging Topics in Organic Synthesis and Catalysis"* offers a dynamic platform for participants to explore groundbreaking advances shaping the future of catalytic science. These emerging areas in organic synthesis and catalysis are especially crucial today, as they enable the development of more efficient, selective, and environmentally sustainable chemical transformations that underpin the progress of modern chemical science. Advances in areas such as transition-metal catalysis, photocatalysis, biocatalysis, and AI-assisted synthesis are enabling chemists to construct complex molecules, reduced waste, and lower energy input. These innovations not only expand the toolbox available for designing pharmaceuticals, materials, and agrochemicals but also support greener practices aligned with global sustainability goals. By exploring new catalytic strategies, reaction pathways, and mechanistic insights, researchers can overcome long-standing synthetic challenges and open doors that fuels progress across medicine, energy, and advanced materials.

Major Course Contents:

- Sustainable Organic Synthesis and Metal Catalysis
- Photocatalysis and Light-Driven Transformations
- Electrosynthesis
- Organocatalysis & Biocatalysis
- Natural Product Synthesis
- Supramolecular & Mechanochemical Catalysis
- Sustainable Solvents & Reaction Media
- Heterogeneous catalysis

Faculty conducting this program:

The program will be conducted by the faculty members from NIT Warangal. Academicians in the field concerned from reputed institutes such as IISc/IITs/NITs/IIITs/IISERs/NISER have also been invited to deliver lectures in the program.

Registration Fee Particulars (including 18% GST):

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/7Ye3fZFEmkuDwUmv6

Selection Criteria:

Selection will be done based on first-come-first-serve to a minimum number of 50 (fifty) Faculty/industry participants. Additionally, students/PhD scholars 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.

Important dates:

Last date for application	25/01/2026
Selection List by E-mail	30/01/2026

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 technical education institutions in India. There are 14 Departments offering eight undergraduate and 31 post-graduate programs besides doctoral programs. 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.

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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 FDPand 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**

SPONSORSHIP CERTIFICATE

Prof. /Dr. /Mr. /Ms.....is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on **"Emerging Trends in Organic Synthesis and Catalysis"**, sponsored by the Centre for Training and Learning (CTL) during **9th - 13th February, 2026** at NIT Warangal.

Signature of Head of Institution (with seal)

Address for correspondence
Post your application form to
Course Coordinators
Prof. V. Rajesh Kumar & Prof. Govindarajan R.
Department of Chemistry
NIT Warangal,
Warangal 506004
Mobile: 9087070774/9486748320
Email: rajeshv@nitw.ac.in, govindarajan@nitw.ac.in

It is requested to all the delegates that, 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/7Ye3fZFEmkuDwUmv6

For more details about CTL of NIT Warangal, please visit:
https://nitw.ac.in/ctlcenter

For more enquiries, please contact:
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and
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Mobile: 0870 2462685
Email: ctl_hod@nitw.ac.in

Convener:
Prof. Santhosh Penta (Head, Department of Chemistry)

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