

## Contact details:

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## Registration Instructions :

- Registration link:  
<https://forms.gle/bdZmAXSizaS8yLoB7>
- Fill in the required details and submit the form.
- **Who can apply?**
  - Professors (Full, Associate, Assistant)
  - Researchers (Post-doc, RA, Scholar)

Scan Me:

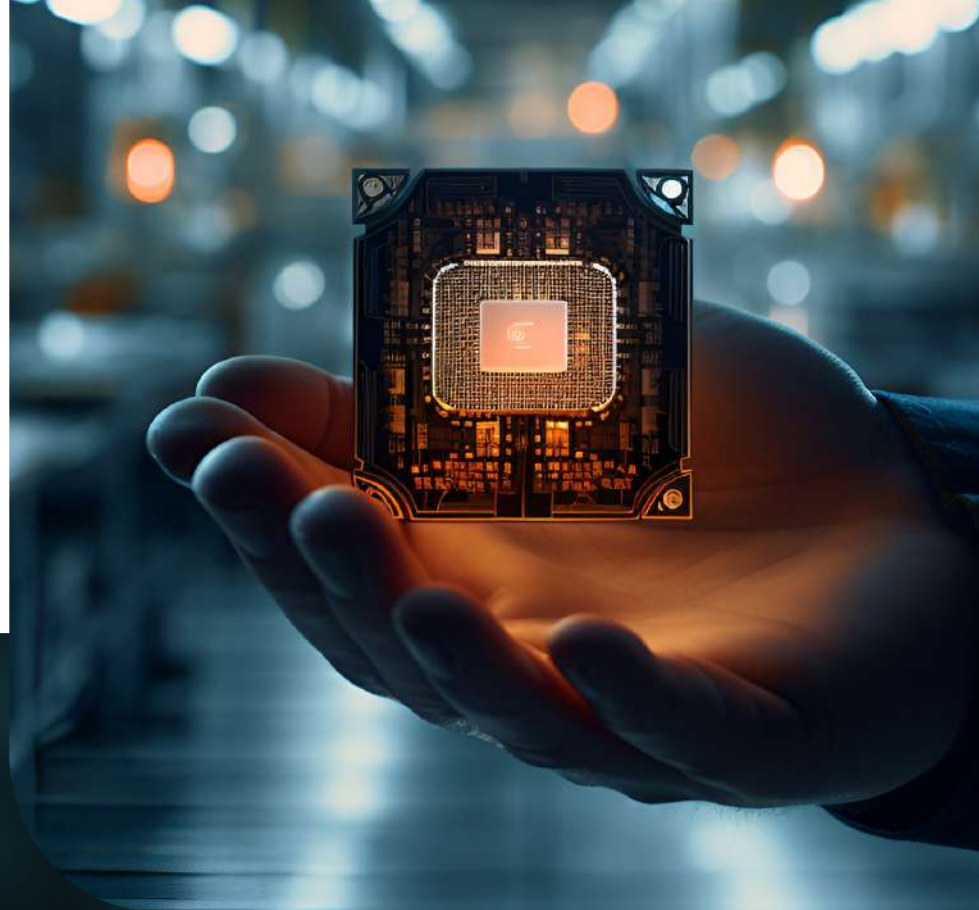


## Important Dates

Registration Open	: 03-01-2025
Last date of Registration	: 19-01-2025
Announcement of selected participants	: 20-01-2025

## Note :

- Online registration and enrolment are mandatory for the participants
- Participants will be provided with Free workshop materials, Lunch & Refreshments
- Paid accommodation will be arranged at the CUTN guest house on shared basis.
- Participants should make their own travel arrangements and NO TA/DA will be provided for attending the workshop.
- Participation certificate will be provided to the candidates after the successful completion of the workshop.



# Two days International **w**orkshop on **Advanced Organic Electronic Materials -2025 (iWAOEM-25)**

## **03 & 04<sup>th</sup> February, 2025**

Organized by  
**DEPARTMENT OF CHEMISTRY**  
(DST-FIST Sponsored)  
School of Basic and Applied Sciences  
Central University of Tamil Nadu  
Thiruvarur – 610005

Sponsored by  
**DST-SERB-CRG**  
Anusandhan National  
Research Foundation (**ANRF**)  
New Delhi

**Conference Hall (VRK103)  
VENKATRAMAN RAMAKRISHNAN BLOCK, CUTN**

## About the iWAOEM-25:

The International Workshop on Advanced Organic Electronic Materials - 2025 (iWAOEM-25) marks a pivotal moment in materials science, driving advancements in flexible, lightweight, and sustainable electronic devices. Organic electronic materials, including small molecules, polymers, and hybrids, offer carbon-based alternatives to traditional semiconductors. These materials are valued for their tunable properties, cost-effective processing, and applications in cutting-edge technologies such as organic photovoltaics (OPVs), organic light-emitting diodes (OLEDs), and organic field-effect transistors (OFETs).

The key advantage of organic materials lies in their customizable electronic and optical properties, achieved through molecular design and synthesis. Conjugated polymers and molecules enable adjustable band gaps and high charge mobility, critical for energy conversion and light emission. Their inherent flexibility and solution-processability support innovative manufacturing methods like roll-to-roll processing, unlocking potential for wearable electronics and reducing costs compared to silicon-based technologies.

Organic materials also excel in sustainability, enabling energy-efficient OLED displays and lightweight, transparent solar cells suitable for integration into building windows and portable devices. Despite these benefits, challenges such as stability, charge transport, and scalability remain. Advances in molecular engineering, doping, and hybrid organic-inorganic perovskites are addressing these issues, enhancing performance and durability.

## About Central University of Tamil Nadu:

The Central University of Tamil Nadu (CUTN) commenced its journey in 2009, emerging from the corridors of academic vision to become a symbol of academic brilliance and progressive education. Founded through an Act of Parliament, CUTN started with modest beginnings but harboured grand ambitions for the future. CUTN has evolved into a formidable institution of higher learning from its nascent stage in 2009 when it had a single department with fewer than ten students. Today, it has a comprehensive academic structure comprising 28 departments organized under 13 Schools. The selection process through the Common University Entrance Test (CUET), administered by the National Testing Agency (NTA), ensures a cohort of approximately 2,500 students who thrive within its intellectually stimulating environment.

At the core of this academic edifice are 182 dedicated faculty members, who serve as torchbearers of knowledge and champions of academic inquiry, and 99 non-teaching staff members who render dedicated service towards the University's development. Its impressive accolades and rankings highlight CUTN's academic prowess, including the 99th position in the NIRF 2024 and the 17th spot in the IIRF University Rankings 2024. In 2024, CUTN was accredited with an A+ grade in the second cycle of the NAAC assessment. It marked a significant improvement from its previous score to an impressive 3.44. In essence, the CUTN embodies academic excellence, social responsibility, and inclusive growth. As it continues to evolve and innovate, CUTN remains steadfast in its mission to shape enlightened leaders and contribute meaningfully to society's collective progress and prosperity.

## About the Department of Chemistry:

The Department of Chemistry at the Central University of Tamil Nadu (CUTN) is dedicated to fostering a strong understanding of chemical sciences through a combination of rigorous academic programs and innovative research. Established in 2010 with a vision to contribute to the field of chemistry, the department emphasizes theoretical knowledge and practical application. The DST-FIST-sponsored Department of Chemistry is ranked 51 among the Indian academic institutes by Nature -2024. It is dedicated to curating Scientists with a strong aptitude for basic and applied research. The department offers a range of programmes, including 5-year Integrated MSc, 2-year MSc, a one-year Postgraduate Diploma in Chemical Laboratory Technician (PGDCLT), and Doctoral research in Chemistry. Apart from PhD, admissions for other programmes are through the nationwide Common University Entrance Test (CUET) conducted by National Testing Agency (NTA). Faculty members are engaged in various research projects funded by UGC, CSIR, and DST.

The department has state-of-the-art laboratories and advanced instrumentation, enabling students and researchers to conduct high-quality experiments and research projects. The department is equipped with advanced instrumentation facilities including 400 MHz NMR, UPLC-HRMS, GC-MS, GC-FID, FT-IR, Fluorescence spectrophotometer with TCSPC, Spectroelectrochemical Workstation, Glove box, Microwave Synthesizer, UV-VIS Spectrophotometer, Gel permeation Chromatography, Semiconductor Parameter Analyzer, TGA, DSC, HPLC, and Computational Research Lab facilities.

The Department of Chemistry at CUTN is committed to excellence in education and research, preparing students to become skilled professionals and researchers in chemistry. The department is crucial in advancing chemical sciences and contributing to societal development through its diverse programs and research initiatives.

## Organizing Committee

**Chief Parton**

**Prof. M. Krishnan**  
Vice-Chancellor, CUTN

**Patron**

**Prof. M. Thirumurugan**  
The Registrar, CUTN

**Convenor**

**Prof. S. Nagarajan**  
Head,  
Department of Chemistry, CUTN

**Program Coordinator**  
**Dr. John Prakash**  
Assistant Professor

Department of Chemistry, CUTN

**Local Organizing Committee**

Prof. T. Mohan Das  
Dr. R. Ranjith Kumar  
Dr. V. Rajendiran  
Dr. Vittal Babu Gudimetla  
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Dr. Prabha Vadivelu  
Dr. Meenakshi Pahwa  
Dr. Rajkumar Subramani

**Technical Assistance**

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Mr. Ramesh Babu Karnam