



DEPARTMENT OF CHEMISTRY

(DST-FIST SPONSORED)

CENTRAL UNIVERSITY OF TAMIL NADU, THIRUVARUR-610005



Organizes A two Days Workshop

TRANSITION-2024

INSIGHTS INTO CHEMICAL SCIENCES

04th & 05th MARCH, 2024



Objective of the Workshop:

Chemistry plays a vital role in the society in determining the quality of modern life. It has enormous potential to contribute to the significant advances over a wide range of applications in the modern world. Thus, chemistry finds wider utilities in almost all areas of Science and Technology. Chemistry renders great services to mankind by providing innovative scientific discoveries in the fields of Agriculture, Medicine, Biotechnology, Environmental Science, Textiles, Chemical industries, Forensic Science etc. In general, human life is interwoven with the ever-increasing applications of chemistry. It is important for the researchers, teachers and students to know the research and recent developments that have been made in various fields of chemistry. This workshop is intended to discuss the innovative trends and recent techniques in chemistry. Also, this will provide a common platform for interaction of young students with academicians.

Transition:

TRANSITION is an annual outreach program conducted by the Department of Chemistry at CUTN. The main objective of this program is to motivate students to consider chemistry as a potential career path during their academic transition. The program aims to bring together chemistry students, especially research aspirants to earn exposure and encourage them to pursue chemistry as a career. **Transition-2024 is a two-day workshop specially intended for postgraduate students with research interest.** During the workshop, participants will have the opportunity to learn about recent developments in chemistry, lab facilities, explore career opportunities for chemists, gain knowledge on the basic and advance areas of chemistry.

Scan to Register



No Registration Fee

Register before: 28 FEB, 2024

Registration link: <https://forms.gle/sB6Kq56AAMGAzj2r8>

Please note that the deadline for enrolment is **February 28, 2024**. About 100 research aspirants will be selected for the Transition 2024 based on applicants' merit. Selected participants will be notified by **March 1, 2024**, and will be provided with workshop materials and refreshments during the workshop. Please note that accommodation will be provided for participants on sharing basis with nominal fee, and on-site registration is not encouraged. There is **no registration fee** for participants.

Central University of Tamil Nadu:

The Central University of Tamil Nadu (CUTN) was established by an act of Parliament in 2009. The CUTN is one of the front runner among the newly established central universities and ranked 89 by NIRF-2023. The surge and success of the CUTN in Thiruvavur thus far has been both momentous and monumental, charting a success story for itself and setting a decisive growth animus for this institution of higher education. Starting with just one program and eight students, CUTN can now boast of phenomenal development with 31 departments and over 2500 students in such a short spell. From the introduction of new programs and curricular innovation to reach infrastructure development and faculty capacity building, the University has trained its focus in the right areas, and as a result, it has witnessed a huge rise in popularity across the Nation drawing the best of minds from the far corners. CUTN represents over 25 Indian states apart from foreign students. The curriculum for all the programs are designed as per NEP-2020.

Department of Chemistry:

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, one-year Postgraduate Diploma in Chemical Laboratory Technician (PGDCLT), and Doctoral research in chemistry. Apart from PhD, admissions for other programs 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 is equipped with advanced instrumentation facilities including 400 MHz Proton NMR, UPLC-HRMS, Gel permeation Chromatography, GC-MS, GC-FID, Microwave Synthesizer, Fluorescence spectrophotometer with Lifetime measurement, Spectroelectrochemical Workstation, Semiconductor Parameter Analyzer, Glove box, TGA, DSC, HPLC, UV-VIS-NIR Spectrophotometer, FT-IR and Computational Research Lab facilities.



Research Area:

Faculty members of the department of Chemistry is actively involved in scientific research in diverse basic and applied scientific fields.

- ✦ Organic Electronics
- ✦ Carbohydrate Chemistry
- ✦ Organic Synthesis
- ✦ Bioinorganic & Medicinal Chemistry
- ✦ Organometallics and Catalysis
- ✦ Asymmetric Synthesis & Organocatalysis
- ✦ Computational Chemistry & Reaction Mechanisms
- ✦ Photochemistry: Instrumentation & Analytical Spectroscopy

PhD Admission:

Twice in a year CUTN invite applications for PhD admissions, candidates who have qualified national level examinations (CSIR-JRF-NET, and GATE) are exempted from the Entrance Exam. Others have to appear for the PhD Entrance examination conducted by CUTN. Selected candidates will be provided with University Fellowship.

For details visit CUTN Website

<https://cutn.ac.in/admissions-phd-programmes/>

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Co-patron

Prof. R. Thirumurugan
Registrar, CUTN

Convenor

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Head, Department of Chemistry & Dean (Academics), CUTN

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