

# SCIENCE ACADEMIES' LECTURE WORKSHOP ON MODERN TRENDS IN CHEMICAL SCIENCES

13 -15<sup>th</sup> MARCH, 2024

Sponsored by



Organized by

Department of Chemistry

(DST-FIST Sponsored)

Central University of Tamil Nadu

Thiruvarur- 610 005



## Objective of the Workshop

Short-duration Lecture Workshops form an important segment of the activities under the Science Academies' Programmes organized by the Joint Science Education Panel of the three Science Academies. The lecture workshop on the theme 'Modern trends in Chemical Sciences' focuses on knowledge sharing and dissemination of advanced chemistry topics to nurture talented chemistry aspirants. It offers valuable educational content, so attendees can excel in their fields, gain insights into emerging trends, and expand their knowledge to meet National & Global needs. This will create a network of like-minded individuals, and creative young minds and build resourceful aspirants.

## 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 Thiruvarur 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 28 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 NMR, UPLC-HRMS, Gel permeation Chromatography, GC-MS, GC-FID, Microwave Synthesizer, Fluorescence spectrophotometer with Lifetime accessories, Spectro electrochemical Workstation, Semiconductor Parameter Analyzer, Glove box, TGA, DSC, HPLC, UV-VIS-NIR Spectrophotometer, FT-IR and Computational Research Lab facilities.

## Resource Persons



**Prof. R. Ramaraj, FNA., FASc., FNASc.,**  
Former Professor of Eminence and  
DAE Raja Ramanna Fellow, Professor and Head (Retired)  
Dept of Physical Chemistry, Madurai Kamaraj University.



**Prof. S. Natarajan, FNA., FASc., FNASc., FRSC**  
Solid State and Chemistry Unit (SSCU)  
Indian Institute of Science (IISc), Bengaluru



**Prof. Kavirayani R. Prasad, FASc., FNA.,**  
Dept of Organic Chemistry,  
Indian Institute of Science (IISc), Bengaluru



**Prof. A.K. Mishra, FNASc.,**  
Professor and Dean Academic Research  
Department of Chemistry  
Indian Institute of Technology Madras (IIT), Chennai



**Prof. V. Subramanian, FASc., FNASc.,**  
(Former Outstanding Scientist, CLRI-CSIR, Chennai)  
Department of Chemistry  
Indian Institute of Technology Madras (IITM), Chennai



**Prof. P. Anbarasan**  
Department of Chemistry  
Indian Institute of Technology Madras, (IITM), Chennai

### Who can apply?

Students who are studying Science as a core subject at the undergraduate final year/ post-graduate /research scholars and faculty.

### Patron

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

### Co-patron

**Prof. R. Thirumurugan**  
*Registrar, CUTN*

### Convenor

**Prof. R. Ramaraj, PhD., DSc. (Japan), DSc. (Madurai), FNA., FASc., FNASc.,**  
Former Professor of Eminence and  
DAE Raja Ramanna Fellow  
(Professor and Head (Retired), Dept of Physical Chemistry)  
School of Chemistry, Madurai Kamaraj University,  
Madurai-625021, INDIA

### Coordinators

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## No Registration Fee

Registration Link:

<https://forms.gle/e8iRZKmHb8iD7BU7>

**Last date for Registration: 09-03-2024**

