



**ANDHRA UNIVERSITY
VISAKHAPATNAM
DEPARTMENT OF CHEMISTRY**



**One Day National Workshop on
“Advanced Techniques for purification & Characterization of Organic Compounds”**

Under DST-SERB SSR Program, 7th Feb, 2025.

About Department of Chemistry, Andhra University

The history of the Department of Chemistry dates back to 1931 and it was one of the first few science departments to be organized on the Andhra University Campus as a part of the J. V. D. College of Science and Technology. Prof. Ludwig Wolf, an eminent Inorganic Chemist from Europe (Germany) equipped the Chemistry Laboratories in the first few years.

The department developed into an advanced center of learning under the successive stewardships of Professors T. R. Seshadri (1932-49), G. Gopala Rao (1949-68), L. R. Row (1969-76), and M. N. Sastri (1976-80).

In the year 1983, the sprawling Department was renamed as School of Chemistry to function as three constituent departments namely Inorganic and Analytical chemistry, Physical and Nuclear chemistry and Chemical Oceanography, and Organic chemistry, Foods, Drugs and Water.

After about four decades, the three departments of school of chemistry have amalgamated as a single Department of Chemistry in April 2022.

The M.Sc. students do well in national level competitive examinations and some of them are moving abroad to pursue their higher studies. Many of the alumni occupy good positions in the academia and industry.

About the workshop

The Science and Engineering Research Board (SERB) is a statutory body of the Department of Science and Technology (DST) in India. Science and technology have been central to Indian civilization and culture for thousands of years. Previous S&T policies focused on using science to benefit the people. However, in today's India, with its vibrant and ambitious youth, there is a need for a renewed focus on integrating science and technology into society at both institutional and individual levels. Indian science has stressed the importance of promoting scientific and social responsibility (SSR) to engage science in advancing societal welfare. This requires developing a framework that encourages the integration of science with society, fosters collaboration among key stakeholders, and ensures the transfer of scientific knowledge for the benefit of all.

Workshop

This workshop aims to discuss few critical concepts and fundamental understanding of the state of the art of Research work. The program will offer learning of characterization of organic compounds from various advanced spectroscopic techniques such as ^1H NMR, ^{13}C NMR & High-Resolution Mass Spectroscopic (HRMS) techniques. This program also covers advanced purification techniques like HPLC, HPTLC & so on. This workshop is also aimed to provide hands on experience to the participants in recording spectra with NMR instrument and analysis of the spectra for the characterization & determination of structure of organic compounds.

Important Note

- ❖ Limited seats (25 only). Fast filling. The registration will be available on first come first registration basis
- ❖ Preference will be given to participants who are working in the relevant field.
- ❖ Last date of registration: **5/01/2025**.
- ❖ Selected participants will be notified through Email. (No TA/DA is admissible)
- ❖ Participation certificate will be provided.
- ❖ There will be **no spot registration**.
- ❖ Registration is mandatory.

Free Registration

Includes registration Kit, Tea and Lunch

Last Date of Registration: 05th Feb, 2025

Registration Link: <https://forms.gle/Mei274twLYK1xbCQ9>

Who can attend?

The workshop program is opened to chemistry faculty from various institutions

Chief Patron

**Prof. G. Sasibhushan Rao,
Vice Chancellor**

Patrons

**Prof. N. Kishore Babu, Rector
Prof. M.V. R. Raju, Principal, AUCST
Prof. E. N. Dhanamjaya Rao, Registrar**

Convener

Prof. V. Siddaiah

Co conveners

**Dr. P. Kamala
Dr. V. Christopher**

Venue

**New Seminar Hall,
Department of Chemistry, A.U.**