

## Laboratory & Research Facilities

- PG Chemistry Lab
- Organic Chemistry Research Lab
- Materials Chemistry Research Lab
- Sophisticated Instrumentation Lab

## Infrastructural Facilities

- HPLC
- GC
- UV-Vis Spectrophotometer
- Spectrofluorometer
- Polarimeter
- Electrochemical Workstation
- Tensile Strength tester
- UV-Vis DRS Spectrophotometer
- Atomic Absorption Spectrophotometer
- Spin Coater
- Pulse Laser Deposition and
- FTIR

## State of Art Research in

- Catalysis
- Nanomaterials
- Sensors
- Polymers
- Energy and Environment
- Organic Synthesis

## Placement & Training

- Placement cell to promote employment for all the eligible candidates.
- Internship in industries during summer vacation
- Students are placed in reputed industries like Shasun, Pfizer, Biocon, Nuray Chemicals etc.
- Separate entrepreneurship cell to promote innovation and start-up.

## Eligibility for Admission

- B.Sc in Chemistry from UGC recognised institution.

## About the Programme

- Training for CSIR-NET and GATE exams.
- Mandatory one credit summer Internship for a period of one month
- Dedicated final semester for the project work
- Provision to carry out the project in reputed national labs and Industries.
- One credit for the seminar and periodically evaluation
- Special electives by industry professionals and faculty from abroad.
- Students are completing their Summer Internship with stipend through Science Academies Summer Research Fellowship Programme, Summer Research Programme Internship in IGCAR, Kalpakkam and Summer Fellowship Programme in IIT Madras, CECRI, Karaikkudi, GRI, Dindigul etc.
- Hands on experience in operating the sophisticated instruments.

## About the Department

- Established in 1984
- Offering M.Sc and Ph.D in Chemistry since 2010.
- Access to the basic and advanced instruments
- Separate research lab for the funded projects.
- organizes National and International Conferences regularly
- Conducts international and national webinar on the emerging topics

## About the Faculties

- All the Faculty members are Doctorate.
- Funded Project worth of 3.3 crores from DST, CSIR etc.
- CSIR-NET qualified faculties.
- Postdoctoral experience from France, Singapore, USA, South Korea, Switzerland, Taiwan, Portugal, Germany etc.
- Four of our faculties completed INSA-Visiting Scientist Programme.
- Publication in SCI and SCOPUS indexed journals like Chem Comm, Green Chemistry, Sensors and Actuators B etc.
- H-index of the department is 20 & citation 1489.



## DEPARTMENT OF CHEMISTRY

## M.Sc. Chemistry Brochure



Organized by

## Department of Chemistry

SCHOOL OF PHYSICAL AND CHEMICAL SCIENCES

B.S. ABDUR RAHMAN CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY

Chennai-600048

Phone: +91- 9444075620, 9444206191

Email: [hodchem@crescent.education](mailto:hodchem@crescent.education)