



Our Vision

To be a Centre of excellence in education and research in the field of chemistry and offer viable technological solutions for industrial and societal needs.

Our Mission

The Department of Chemistry strives :

- To promote knowledge on applied science and technology particularly in chemistry and explore the opportunities in multidisciplinary research areas
- To provide quality education and to facilitate research that produce technically competent, socially committed technocrats and scientists
- To address the societal, industrial needs by innovative and collaborative research



Research

- Water – Waste water – Environmental studies
- Waste plastics – Road construction studies, Fuel derivatives
- Materials for energy and environmental applications
- Synthesis and Applications of Complexes
- Electrochemical application – Corrosion studies
- Electrochemical Energy studies
- Solar Energy Harvesting studies
- Molecular Modeling and Simulation studies



Posthumous Award
Dr. R. Vasudevan
Fellow of the Indian Academy of Sciences



Patents Granted



SOLAR SIMULATOR WITH IV SYSTEM



SPECTRO PHOTOMETER



SCANNING ELECTRON MICROSCOPE



FTIR with ATR



OPTICAL MICROSCOPE



BROOKFIELD VISCOMETER

INDUSTRIAL COLLABORATION



ACADEMIC COLLABORATION



- Plastic Tar Road Laying using Waste Plastics
- Converting Waste Plastics into fuel
- Electroplating/Coating to prevent corrosion
- Water Quality Analysis
- Corrosion behavior Analysis
- Phosphor materials for white LEDs
- Waste Water Treatment

Highlights



Highlights showcase the department's strengths in teaching, research, student success, and community engagement, demonstrating a well-rounded and supportive environment for chemistry students.

ACADEMIC COURSES

1 year B.E. Academic Courses :

- 22CH130 Chemistry
- 22CH190 Chemistry Laboratory
- 22CHAA0 Environmental Science

Foundation Elective :

- 21CHFA0 Biology for Engineers
- 21CHF80 Materials for Engineers
- 21CHFC0 Battery Technology

PhD Course work :

- 23CHPA0 Instrumental Methods of Analysis
- 23CHPB0 Corrosion Science and Engineering
- 23CHPC0 Nanomaterials and Nanotechnology
- 23CHPD0 Environmental Chemistry
- 23CHPE0 Advanced Polymer Chemistry
- 23CHPF0 Battery Science and Technology
- 23CHPG0 Research Methodology

SPONSORED PROJECTS

DST, NEW DELHI 4 PROJECTS 185.79 Lakhs	CPDR, NEW DELHI 1 PROJECT 14 Lakhs
MOWS 1 PROJECT 17.16 Lakhs	AICTE 1 PROJECT 23 Lakhs
DGC 1 PROJECT 12 Lakhs	DRDO 1 PROJECT 20.54 Lakhs
ICPS 1 PROJECT 7 Lakhs	MOEFCC 1 PROJECT 1.2 Crores

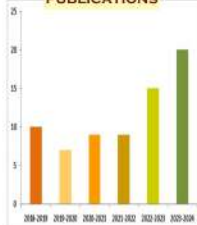
OUR Labs
Plastic Tar Road & Plastone Black
Research Laboratory
Advanced Material Research
Laboratory
Alternate Fuel Research
Laboratory

PhD's Completed : 11
PhD's Ongoing : 07

BEST PRACTICES



PUBLICATIONS



EXCELLENCE CENTRE

TCE EIACP PC-RP serves as a one-stop platform for dissemination of Environmental information, informed policy formulation on various facets of environment and facilitation of alternate livelihoods through green skilling.

Major Activities

- Repository of Environmental Knowledge-Mission Life
- GSDF - Green Skill Development Programme
- Outreach programs
- Capacity building programs

