



INSTITUTE OF SCIENCE & TECHNOLOGY FOR ADVANCED STUDIES & RESEARCH

(Accredited "A" grade by NAAC)

(Recognized by Section 2(f) & 12(B) of UGC Act. by University Grant Commission, New Delhi)

1st Rank among All Colleges of Gujarat by KCG (GSIRF) – 2021



M.Sc. ORGANIC CHEMISTRY

Constituent College of CVM University

Eligibility for Admission B.Sc. Degree in Chemistry / Industrial Chemistry (Vocational)

Salient Features

- Teaching is delivered by highly experienced and qualified faculty.
- Laboratories, class rooms and seminar hall
 - State-of-art well-equipped spacious laboratories for Organic, Inorganic and Physical Chemistry practical.
 - Class rooms are well-ventilated and equipped with advanced multimedia facility.
 - A seminar hall with modern multimedia technology and a capacity of around 100 is also furnished.
- Career Services
 - Career counseling, mock interviews, resume writing seminars and personality development programme conducted during the academic year by experts.
 - Placement by campus interviews.
 - Industrial visit during academic year.
- Library and Computer Facilities
 - The Common Library of ISTAR, plays a vital role in achievement, organization and spreading of knowledge.
 - It has an excellent collection of books, journals, technical reports and other reading material.
 - The students have access to internet in the library via broad-band and in the campus premises via Wi-Fi connectivity.
- The students are given free training on various sophisticated analytical instruments (FTIR, NMR, GCMS, HPLC, SEM, TEM, TGA, DSC etc.) at SICART
- Invited expert lectures are conducted regularly.
- Students can pursue Ph.D. programme after M.Sc. degree.
- Job opportunity in R & D, QC, QA, ADL and Production departments in pharmaceuticals, agrochemicals, paint, polymer and petrochemicals industries.

Syllabus (CBCS)

Semester I

Core Papers : 1) Electron Spectroscopy and Magneto chemistry
2) Organic Chemistry-I
3) Physical Chemistry-I

Elective COURSE

: 1) Polymer Chemistry
2) Biophysical Chemistry

Semester III

Core Papers : 1) Organic Spectroscopy
2) Disconnection Approach
3) Heterocyclic Chemistry

Elective COURSE

: 1) Selected Topics in Organic Chemistry
2) Occupational Practices

Semester II

Core Papers : 1) Quantum Chemistry & Organometallic Chemistry
2) Organic Chemistry-II
3) Topics in Physical Chemistry-II

Elective COURSE

: 1) Analytical Chemistry
2) Introduction to Biochemistry

Semester IV

Core Papers : 1) Natural Products
2) Medicinal Chemistry
3) Stereochemistry of Organic Compounds

Elective COURSE

: 1) Topics in Organic Chemistry
2) Applied Organic Chemistry

Campus Placements

- Atul Pvt. Ltd.
- Reliance Industries Ltd.
- Zydus Cadila Healthcare Ltd.
- Piramal Discovery Solutions.
- Shri Ram Fibers Pvt. Ltd.
- Bunge India Pvt. Ltd.
- Lupin Pharmaceuticals
- Sun Pharmaceuticals Ind. Ltd.
- Rallis India Ltd
- Aalidhra Pharmachem Pvt. Ltd.
- Cadila Pharmaceuticals Ltd.
- Amuna Pharmaceuticals
- J. B. Chem. & Pharma. Ltd.
- IPCA Laboratories
- Meghmani Organics Ltd.
- Amoli Organics Pvt. Ltd.
- o2h Discovery Pvt. Ltd.
- Alembic Ltd.
- Rubamin Limited
- Aarti Industries
- Asian Paints
- SynZeal Research Pvt. Ltd
- Apothecon Pharmaceuticals
- Dishman Pharma. & Chemicals
- Claris Life sciences Ltd.
- Intas Pharmaceuticals Ltd
- Aventis Pharma Ltd.
- Hemarsh Technologies
- Torrent Pharmaceuticals Ltd.
- Aletris Research Pvt. Ltd.

ADMISSION

FOR NEXT ACADEMIC YEAR WILL START

FROM MAY

I S T A R

Institute of Science & Technology for Advanced Studies & Research (ISTAR), Mota Bazaar, Vallabh Vidyanagar – 388120
Dist. Anand, Gujarat, India. Phone, Telefax : (02692) 234955 E-mail: office.istar@cvmu.edu.in, Website : www.istar.edu.in

Please Call for Further Details : 9427980656/8320671803/9879143295/9898436454