

PLACEMENT :

Along with academic excellence, we also aim to provide career guidance and placements for students. It helps the students to face challenging careers ahead in their chosen fields by providing training and current information to assist the students in placements.

OUR DECIUTORS.



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SCHOLORSHIP :

'Lupin Scholarship Award'

Recognition for the excellence in academics.

Our Facilities

Our Instrumentation laboratory has the following instruments:

Gas chromatograph

- FT-IR
- Flame Emission Spect
- HPLC
- Atomic Absorption Spe



CONTACTS

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Head, Associate Professor

Department of Chemistry

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M.Sc. Analytical Chemistry

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Note: Admissions will be through entrance exam. Online application forms will be available on the college website (www.fergusson.edu).



Deccan Education Society's
FERGUSSON COLLEGE, PUNE – 411004.
(Autonomous) Department of Chemistry



The Chemistry Department of Fergusson College started in 1894-95. This is one of the largest science departments of the college and Deccan Education Society, Pune. In its history of 120 years it has grown considerably.

M.Sc. Analytical Chemistry was started in year 2007 which contributed to the development of the department. It is a full time course of four semesters. The intake capacity of students is 24.

About Analytical Chemistry

Analytical chemistry is the science of obtaining, processing, and communicating information about the composition and structure of matter. In other words, it is the art and science of determining what matter is and how much of it exists.

Analytical chemistry is a branch of chemistry, in which the principles and methods of chemistry, physics, and statistics are applied to the analysis of matter. It is used in all areas of chemistry, from basic research to the development of new materials and pharmaceuticals. Analytical chemists work in a variety of industries, including pharmaceuticals, food and beverage, environmental, and forensic. They use a wide range of instruments and techniques to determine the composition and structure of matter. Analytical chemistry can be a challenging profession that makes significant contributions to many fields of science. They have opportunities in Industries, Food and Technology, Forensic Labs, Pharmaceuticals and many more.



PRESCRIBED COURSES (100 Credits)

Semester – I

CHP-110: Fundamentals of Physical

Chemistry-I

CHI-130: Molecular Symmetry & Chemistry
of p-block elements

CHO-150: Basic organic chemistry

CHA-190: Safety in Chemical Laboratory
and Good Laboratory Practices

Semester – II

CHP-210: Fundamentals of Physical

Chemistry-II

CHI-230: Coordination and Bioinorganic
Chemistry

CHO-250: Synthetic organic chemistry and
spectroscopy

CHA-290: General Chemistry – II

Practical Courses:

CHP-107: Physical Chemistry Practicals

CHI-127: Inorganic Chemistry Practical

CHO-247: Organic Chemistry Practical

Semester – III

CHA-390: Electrochemical and Radio
Analytical Methods of Analysis

Electrochemical Methods of Analysis,

CHA-391: Pharmaceutical Analysis:

CHA-392: Advances in Analytical

Techniques, Analytical Extraction

Techniques,

Atomic spectroscopic analysis

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