

## M.Sc. Analytical Chemistry

The college introduced M. Sc. Course in Analytical Chemistry at Department of Chemistry during academic year 2012-13. It is on permanent non grant basis approved by Government of Maharashtra and affiliated to Shivaji University, Kolhapur.

**Sanctioned Student Strength:-**20 for M. Sc. I year and 20 for M. Sc. II year

**Admission Process:** - The students are admitted through University CAP round as per the MERIT.

**Co-ordinator:** -Dr. Amit R. Supale

### Syllabus:

#### M. Sc. I

Sem I	Sem II
Paper-CH-201: Inorganic Chemistry -I	Paper-CH-201: Inorganic Chemistry – II
Paper-CH-202: Organic Chemistry-I	Paper-CH-202: Organic Chemistry-II
Paper-CH-203: Physical Chemistry -I	Paper-CH-203: Physical Chemistry – II
Paper-CH-204: Analytical Chemistry-I	Paper-CH-204: Analytical Chemistry- II
Practical Paper- I (Org+In)	Practical Paper –III (Org+In)
Practical Paper- II(Phy+Ana)	Practical Paper- IV (Phy+Ana)

#### M. Sc. II

Sem III	Sem IV
ACH-IX: General Analytical Techniques	ACH-XIII: Modern Separation Methods in Analysis
ACH-X: Organo Analytical Chemistry	ACH-XIV: Organic Industrial Analysis
ACH – XI: Electroanalytical Techniques in Chemical Analysis	ACH – XV. Advanced methods in chemical analysis
ACH-XII-Elective A:Environmental chemical analysis and control B: Recent Advances in Analytical Chemistry C: Chemical Analysis in Agro, Food and Pharmaceutical Industries	ACH-XVI-Elective A: Applied Analytical Chemistry B: Techniques in Forensic Sciences and Microbiological Analysis C: Computational Chemistry
Practical Paper- V	Practical Paper- VII
Practical Paper-VI	Practical Paper- VIII (Includes Project)