



SHIVAJI UNIVERSITY, KOLHAPUR

Department of Applied Chemistry

2023 - 2024

Department of Chemistry

Establishment Year : 2008

Head of the Department: Prof. K. D. Sonawane

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Autonomous :

Programmes Offered in the Department

Sr. No	Programme Name	Branch	Duration		Intake	Eligibility Criteria
			Year	Month		
						B.Sc. Chemistry (Principal Subject)
	Applied Chemistry	01	2	00	60+6	B.Sc. Chemistry (Principal

Ph.D Offered: Yes

Placement opportunities :

Pharmaceutical companies, Chemical companies, dyes, polymer and Agrochemical industries, Research Field, Teaching Field, Competitive exams (Forensic Science, Food Inspector – Department of Food Corporation), Scientist: CSIR laboratory, Regional Research Laboratories, Department of Water Resources. Opportunities in Doctoral and Post-Doctoral Studies at National and International Level.

Name of industries where student placement

Cipla Pharma Unit, Patalganga, Pune and Goa, US Vitamin, Chiplun, Macleoid, Andheri Mumbai,

Salient Features of the Department:

1. DST and UGC have recognized the Department for FIST and SAP programs.
2. Developmentg of experimental skills of students through research project and practical sessions.
3. Advanced teaching methods are used during teaching to enhance the fundamental understanding of theoretical principles.
4. Financial assistance is made available for students from various NGO organizations.
5. Recognition of research work For Faculty members globally as a result they are invited to be reciewers and some Name ofr Faculty members were honoured with awards also.
6. Department provide analytical assistance to the nearby industries in terms of analysis of water samples, chemicals and drugs.

Teaching Staff Information:

Sr. No.	Faculty Name	Designation
1.	Prof. K. D. Sonawane	Professor & Head
2.	Prof. G. B. Kolekar	Professor
3.	Prof. S. S. Chavan	Professor
4.	Prof. S. S. Kolekar	Professor
5.	Prof. K. M. Garadkar	Professor
6.	Prof. A. V. Ghule	Professor
7.	Prof. D. V. Anbhule	Professor

Equipments:

Sr. No.	Equipments Name
01	UVVIS NIR Spectrophotometer Model: UV3600 Make: Shimadzu
02	NMR Spectrometer 300 MHz Make: Bruker
05	LCR Meter Model :6440B Make: Wayne Kerr Electronics
06	Vapour Pressure Osmometer K –7000 with Accessories
08	Rotary Evaporator ModelRVO400
10	Cryostat (Microprocessor Based Heating and Refrigerated Bath)
11	Gas Chromatograph
12	Spectrofluorimeter (PC based)
13	Nuclear Gamma Ray Spectroscopy (Electronic Enterprise)
14	Nuclear Beta Gamma Radiation counting system (Electronic Enterprise)
15	Nuclear Alpha Counting System (Electronic Enterprise)
16	Hand Held Gamma Survey Meter (Electronic Enterprise)
17	Ion Chromatography 883 Basic IC plus (Metrohm)
18	Inductively Coupled Plasma – Optical Emission Spectroscopy
19	Time Resolved Fluorimeter
20	LCMS
21	Particle Size analyzer
22	BET
23	Flash Chromatogram

Other information:

Books Publications

1. A Text Book of Physical Chemistry at B.Sc. Part-I, Shivaji University, Kolhapur G. B. Kolekar [et.al.](#) Sheth Prakashan, Mumbai 2003
2. A Text Book of Physical Chemistry at B.Sc. Part-II, Shivaji University, Kolhapur G. B. Kolekar [et.al.](#) Sheth Prakashan, Mumbai 2004
3. A Text Book of Physical Chemistry at B.Sc. Part-III, Shivaji University, Kolhapur G. B. Kolekar [et.al.](#) Sheth Prakashan, Mumbai 2005
4. A Text Book of Analytical & Industrial Chemistry at B.Sc. Part-III, Shivaji University, Kolhapur G. B. Kolekar [et.al.](#) Sheth Prakashan, Mumbai 2006