

Kabir Rajendra Kumbhar

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Assistant Professor - Chemistry

(Jaysingpur College, Jaysingpur)

Education

B. SC. | 2011 | SHIVAJI UNIVERSITY, KOLHAPUR

- Major: CHEMISTRY
- Minor: Physics, Mathematics

M.SC | 2013 | UNIVERSITY OF PUNE

- Major: Physical Chemistry
- Minor: Inorganic Chemistry, Organic Chemistry

Skills & Abilities

TECHNICAL

- Completed the workshop " **Introduction to Gaussian: Theory and Practice**" and have working knowledge **of computational techniques in Chemistry**.
- Completed MS-CIT and comfortable around computers.

COMMUNICATION

- Presented papers and posters in various International and National seminars/conferences.
- Have teaching experience at undergraduate level.
- Good communication skills in English, Hindi and Marathi languages.

Research Interest:

MICROWAVE SPECTROSCOPY, COMPUTATIONAL CHEMISTRY, CHEMICAL KINETICS, PHYTOCHEMISTRY

Examinations

NATIONAL ELIGIBILITY TEST (NET)

- June - 2013
- **Rank - 83 UGC JRF**

STATE ELIGIBILITY TEST (SET)

- 2013

Educational Details:

Examination	Board / University	Year of Passing	Percentage/ Grade	Subjects
H.S.C.	Maharashtra State Board	2008	75.83	
B.Sc.	Shivaji University, Kolhapur	2011	73.08	Chemistry
M.Sc	University Of Pune	2013	66.55	Physical Chemistry
Net (Jrf Rank - 83)	Csir	2013	-	Chemical Science
Set (Maharashtra)		2013	-	Chemical Science
B.A.	YCMOU	2011	B+	Economics

Participation in Seminar / workshops :

Workshop/ Seminar/ Conference	Details of participation	Date and place	National/ International
Workshop in, "Introduction in Gaussian: Theory and Practice"	Completed	March 2016, Chennai	International
Spectroscopy and Dynamics of Molecules and Clusters	Poster	Feb 2017, Pondicherry	International
The 6 th Asian Spectroscopy Conference	Poster	Sept 2017, Hsinchu, Taiwan	International
Challenges and Opportunities before 21 st Century India in the Field of Social Sciences, Science, Management and Technology.	Paper	Feb. 2016, Kohlapur	International
Royal Society of Chemistry- Faraday discussion on " Temporally and Spatially Resolved Molecular Science"	Participated	Jan 2015, Bangalore	International
National Seminar on "Recent Advances in Organometallic Chemistry"	Member of Organizing committee	Dec 2013, Kolhapur	National
Emerging horizons in Biochemical Sciences and Nanomaterials	Poster	Nov 2013, Barshi	International

Teaching Experience:

Institution	Position Held	Subject	Exp. In Years
Raj. Chh. Shahu College, Kolhapur	Asst. Professor (Chb)	CHEMISTRY	1
Indian Institute of Science, Bangalore	Teaching Assistant	CHEMISTRY	1 SEMESTER
Jaysingpur College, Jaysingpur	Asst. Professor	CHEMISTRY	Since May 2020

Research:

- PhD (Ongoing): Area – Rotational Spectroscopy and Computational Chemistry
 1. Structure determination of synthetically and astrochemical important ‘Phenyl Propargyl Ether’ molecule using Pulsed Nozzle Fourier Transform Microwave (PNFTMW) spectrometer.
 2. Study of Vinyl Chloride ... Water Complex using PNFTMW spectrometer to get better understanding of non-covalent interactions.
- MSc Project:
Phase Diagram of ternary system : Water + n-butanol + Sodium thiosulphate at ambient temperature and pressure.