

# Faculty Profile

1. Name :- Dr. UMESH SHIVAJI MOTE
2. Department :- Chemistry
3. Designation :- Assistant Professor
4. Date of Appointment :- 02/08/2011
5. Address for correspondence (with Pin code) :- F-3, Second Floor, Banekar Apartment, Banekar Galli,  
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416409
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9. Academic Qualifications:-

Sr. No.	Degree	University	Year	Class/ Grade
1	B. Sc.	Shivaji University, Kolhapur	2003	First Class
2	M. Sc.	Shivaji University, Kolhapur	2005	First Class

10. Research Degree(s)

Degrees	Title	Date of award	University
Ph.D./D. Phil	A novel fluorescence studies on energy transfer between aromatic hydrocarbons in micellar solution and its analytical applications	22/08/2010	Shivaji University, Kolhapur

11. Period of teaching experience:

P.G. Classes (in years): 07 years

U.G. Classes (in years): 09 years

12. Research Experience excluding years spent in M. Phil / Ph. D (in years): 10 Years

13. Fields of Specialization under the Subject / Discipline

(a) Fluorescence spectroscopy study

(b) Drug-protein interactions study, Nanoparticles and its Analytical Applications

14. Orientation / Refresher/ Short term Course/ FDP/ FIP attended.

Name of the Course/ Summer School	Place	Duration	Sponsoring Agency
Orientation Course	SPU V.Vidyanagar, Anand, Gujrat	09/06/2014 to 06/07/2014	UGC-ASC
Refresher Course	UGC-HRDC, University of Madras, Chennai	11/08/2015 to 31/08/2015	UGC-HRDC

Refresher Course	SWAYAM ARPIT ONLINE COURSE	01/11/2018 to 28/02/2019	MHRD, India
Refresher Course	SWAYAM ARPIT ONLINE COURSE	01/09/2019 to 31/12/2019	MHRD, India
Faculty development program on "Cyber Security"	FDC, S. U. K. at K. B. P. College, Urun-Islampur	16/12/2019 to 21/12/2019	PMMMNMTT
Faculty development program on "Multimedia enriched e-content development"	Online conducted by GAD, T-LC, SGTB, Khalsa College, Delhi	21/05/2020 to 26/05/2020	MHRD
Faculty development program on "Development and Management of MOOCs and online courses using LMS-Moodle"	Online conducted by GAD, T-LC, SGTB, Khalsa College, Delhi	30/06/2020 to 04/07/2020	MHRD

### 15. PROFESSIONAL DEVELOPMENT, CO-CURRICULAR AND EXTENSION ACTIVITIES

Sr. No.	Name of the activity	Position held
	Involvement in different committees	Member

### 16. RESEARCH AND ACADEMIC CONTRIBUTIONS

#### Research (Author) Profile

Term	Scopus	Research Gate	Google Scholar
Citations	255	235	304
h-index	7	7	9
i10- index			7

#### Publication of Research Papers

Sr. No.	Title	Journal Name volume (year) page	ISSN	Impact Factor if any	No. of co-authors
1	Interaction of Fluorescein with Felodipine: A Spectrofluorometric and Thermodynamic Study.	Journal of Solution Chemistry 38 (2009) 619	0095-9782	1.273	3
2	Spectroscopic studies on the interaction between Norfloxacin and p-amino benzoic acid: Analytical application on determination of Norfloxacin.	Spectrochimica Acta Part A 74 (2009) 771.	1386-1425	3.232	3

3	Determination of Heparin Using Norfloxacin-cerium Complex as a Fluorescence Probe by Spectrofluorimetry.	Bulletin of Korean Chemical Society 30 (2009) 3034	1229-5949	0.611	3
4	Synthesis and photophysical studies on 5-ethoxycarbonyl-4-Cinnamyl-6-methyl-3,4-dihydropyrimidine-2(1h)-one in various solvents.	Bulletin Chemical Society of Ethiopia 23 (2009) 231	1011-3924	0.837	5
5	Fluorescence spectroscopic studies on interaction between Carprofen and triton X-100 micelle	Journal of Molecular Liquids 157 (2010) 102.	0167-7322	5.065	2
6	Effect of temperature and pH on interaction between bovine serum albumin and cetylpyridinium bromide: Fluorescence spectroscopic approach.	Journal of Luminescence, 130 (2010) 2059.	0022-2313	3.28	3
7	Interaction between felodipine and bovine serum albumin: fluorescence quenching study.	Luminescence 25 (2010) 1.	1522-7243	1.855	3
8	Fluorescence quenching studies on the interaction between Riboflavin and Norfloxacin and Analytical application on determination of vitamin B2.	Journal of Solution Chemistry 39 (2010) 97.	0095-9782	1.273	3
9	Fluorimetric Study of the Interaction between ATP and Ciprofloxacin-Y <sup>3+</sup> complex and its application.	Journal of Rare Earths 28 (2010) 329.	1000-0721	3.104	4
10	Fluorescence resonance energy transfer from tryptophan to folic acid in micellar media and water.	Journal of Photochemistry and Photobiology: B, 103 (2011) 16.	1011-1344	4.383	2
11	A novel method for ranitidine hydrochloride determination in aqueous solution based on fluorescence quenching of functionalised CdS QDs through photoinduced charge transfer process: Spectroscopic approach	Analyst 136 (2011) 2606.	1364-5528	3.978	5
12	Book review "Environmental Chemistry" by A. K. De	CURRENT SCIENCE, 107(8), (2014), 1331-1332.	0011-3891	0.756	Nil
13	Surfactant and Temperature Effects in Tyrosine/Pyridoxine Hydrochloride Systems	Journal of Surfactants Detergents 19 (2016) 553.	1558-9293	1.654	2
14	Investigations on interaction between atazanvir sulphate and bovine serum albumin by fluorescence spectroscopy	Indian Journal of Chemistry, 55A (2016) 820	0376-4710	0.489	1

15	Determination of atorvastatin calcium by quenching of tyrosine fluorescence.	Research Journal of Chemistry & Environment 24(9), (2020) 101	2278-4527	...	Nil
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### Research Projects:

Type of project	Title	Agency	Year of completion	Whether Co-PI	Grant (Rs. Lakh)
Minor Research Project	A study on interaction between protein and compounds of biological importance: fluorescence spectroscopic approach	UGC (WRO) Pune	2016	Nil	4.40

### Research Papers presented in National and International Conference:

No.	Date	Place	Organized By	Theme	Level
1.	16/02/2019 to 18/02/2019	Satara	Yashvantrao Chavan Institute of Science, Satara	International Conference on Chemistry, Environment and Energy	International
2.	01/02/2018 to 03/02/2018	Kolhapur	Department of Chemistry, Shivaji University, Kolhapur	International conference on Advances in Chemical Sciences	International
3.	23/01/2018	Islampur	K. B. P. College, Urun-Islampur, Tal. Walwa, Sangli	National Conference on Recent advances in physics and natural sciences	National
4.	06/02/2016-07/02/2016	Kolhapur	Dept. of Chemistry, Shahu College, Kolhapur	International Conference on Opportunities and Challenges before 21 <sup>st</sup> Century India	International
5.	09/03/2015 to 11/03/2015	Pandharpur; Dist. Solapur (M.S.) India	K. B. P. Mahavidyalaya, Pandharpur; Dist. Solapur (M.S.) India	International Conference on Functional Materials @ Nanoscale: Concerns and Challenges	International
6.	22-23 <sup>rd</sup> Jan. 2013	Kolhapur	Shivaji University, Kolhapur	Current research in Chemical Science	National
7.	16-17 <sup>th</sup> Dec. 2011	Pandharpur, Solapur	K. B. P. Mahavidyalaya, Pandharpur, Solapur	Advanced Spectral Methods of Analysis	National
8.	9-11 Feb 2010	Gandhigram, Tamilnadu	Luminescence Society of India	Luminescence and its Applications	National

### 17. Personal website (blog) for delivery of study material among students:

<https://moteumesh.wordpress.com/>

### 18. Youtube channel links:

i) **Physical Chemistry Class:** <https://bit.ly/3q02xdt>

ii) **Dr. Umesh Mote:** <https://bit.ly/3r1mimp>