

Teacher Profile



1. Personal Details:

Name : Dr. Govind B. Kolekar
Designation : Associate Professor
Date of Birth : 01/06/1966
E-mail Address : gbkolekar@gmail.com,
gbkolekar@yahoo.co.in
Permanent Address : 'Siddhi-Vinayak' Plot B-1 (54),
Mhada Colony, Rajendranagar,
Kolhapur 416004

2. Academic Details:

	Qualification	:	M.Sc., Ph.D
	Specialization	:	Physical Chemistry
	Position	:	Associate Professor
3	Research Specialization	:	Photochemistry, Fluorescence Spectroscopy

4	Teaching Experience	:	Total	24 years
			U. G.	15 Years
			P. G.	09 Years

5. Research Guidance : P.G. Programs :
M.Sc. Projects : 35 students
M.Phil. : 02 students
Ph. D. : 06 students
Ph. D. : 07 working

6. Research Publications : National : 07
International : 49
7. Conferences Attended : National : 14
International : 04
Invited talk : 10
8. Research Project :

Sr. No.	Title of the project	Funding Agency	Period	Grant sanctioned/ Amount mobilized In Rs.	Status
1	Impact of heavy fertilizers on well and tube well water in Malshiras Tahasil: A case study.	UGC-WRO (PI)	April. 2004-March 2006	Rs. 48,000/-	Completed
2.	A Novel fluorescence studies on energy transfer between aromatic hydrocarbons in micellar solution and its analytical applications.	UGC, New Delhi (PI)	April-2007-March-2010	Rs. 5,23,977/-.	Completed
3.	Synthesis, Characterization and fluorescence study of metal nanoparticles.	BRNS (PI)	Feb. 2011 - Jan 2014	Rs. 22,14,000/-	Completed.
4.	Nanomaterials as Analytical Probes for Sensing Applications.	UGC, New Delhi (PI)	April 2013-March 2016	Rs.10,88,800/-.	Ongoing

9. Membership/Other Charges: -----

10. Honors /Rewards : (a) ARN Visiting Scientist: Hanyang University, Seoul, South Korea during May-June 2009 under Asian Research Network (ARN) program.
- (b) INSA Visiting Fellow: Kyungpook National University, Taegu, S. Korea during Sept.-Oct.2009 under INSA, India NRF of S. Korea bilateral exchange program.

11. List of Publications:

Sr. No.	Title of paper	Journal with Volume No. and page No.	ISSN/ ISBN No.	Whether peer reviewed/ Impact Factor, if any
1.	Fluorescence quenching studies of CTAB stabilized Perylene nanoparticles for the determination of Cr(VI) from environmental samples: spectroscopic approach. D. K. Dalavi, D. P. Bhopate, A. S. Bagawan, A. H. Gore, N. K. Desai, A. A. Kamble, P. G. Mahajan, G. B. Kolekar and S. R. Patil	Analytical Methods (accepted manuscript)	1759-9660	1.85
2.	Off-onfluorescent polyanthracene for recognition of ferric and fluoride ions in aqueous acidic media: applications to pharmaceutical and environmental analysis. Netaji K. Desai, Govind B. Kolekar and Shivajirao R. Patil*	New Journal of Chemistry (accepted manuscript)	1144-0546	2.96
3.	Development and optimization of a multivariate RP-UPLC method for determination of telmisartan and its related substances by applying a two-level factorial design approach: application to quality control study. Nitin H. Dhekale, K. Hima Bindu, K. Y. Kiran Kumar, Anil H. Gore, Prashant V. Anbhule and Govind B. Kolekar	Analytical Methods 6 (2014) 5168-5182.	1759-9660	1.85
4.	Sequence Selective Michael Addition for Synthesis of Indeno-Pyridine and Indeno-Pyran Derivatives in One-Pot Reaction Using CuO Nanoparticles in Water. Navanath J. Valekar, Prasad P. Patil, Anil H. Gore, Govind B. Kolekar , Madhukar B. Deshmukh and Prashant V. Anbhule*	J. Heterocyclic Chemistry (In Press 2014)	1943-5193	1.22
5.	A Study of energy transfer between riboflavin (Vitamin B ₂) and AgNPs. Vidya V. Mokashi, Laxman S. Walekar, Prashant V. Anbhule, Sang H. Lee, Shivajirao R. Patil and Govind B. Kolekar*	Journal of Nanoparticle Research 2291-2301	1388-0764	2.17
6.	A Novel FRET Probe for Selective and Sensitive Determination of Vitamin B ₁₂ by Functionalized CdS QDs in Aqueous Media: Applications to Pharmaceutical and Biomedical Analysis. Anil H. Gore, Meghanath B. Kale, Prashant V. Anbhule, Shivajirao R. Patil and Govind B. Kolekar*	RSC Advances 4 (2014) 683–692.	2046-2069	2.56

7.	A novel colorimetric probe for highly selective recognition of Hg ²⁺ ions in aqueous media based on inducing the aggregation of CPB-capped AgNPs: accelerating direct detection for environmental analysis. Laxman S. Walekar, Anil H. Gore, Prashant V. Anbhule, V. Sudarsan, Shivajirao R. Patil and Govind B. Kolekar	Analytical Methods 5 (2013) 5501–5507	1759-9660	1.85
8.	Cetyltrimethylammonium bromide stabilized Perylene nanoparticles for fluorimetric estimation of bicarbonate (HCO ₃ ⁻) anion: spectroscopic approach. Dhanaji P. Bhopate, Govind B. Kolekar , Kalyanrao M. Garadkar and Shivajirao R. Patil	Analytical Methods 5 (2013) 5324–5330	1759-9660	1.85
9.	A novel pyrimidine derivative as a fluorescent chemosensor for highly selective detection of Aluminum (III) in aqueous media. Vishwas D. Suryawanshi, Anil H. Gore, Pravin R. Dongare, Prashant V. Anbhule, Shivajirao R. Patil and Govind B. Kolekar*	Spectrochimica Acta Part A 114 (2013) 681–686.	1386-1425	1.97
10.	Solvatochromic fluorescence behavior of 2-amino-6-hydroxy-4-(3,4-dimethoxyphenyl)-pyrimidine-5-carbonitrile: A sensitive fluorescent probe for detection of pH and water composition in binary aqueous solutions. Vishwas D. Suryawanshi, Anil H. Gore, Laxman S. Walekar, Prashant V. Anbhule, Shivajirao R. Patil and Govind B. Kolekar*	Journal of Molecular Liquids 184 (2013) 4–9.	0167-7322	1.68
11.	Evaluation of insecticidal activity of some benzofused heterocycles against different insect pests. M. M. Aitawade, P. P. Sambavekar, D. R. Patil, G. B. Kolekar , M. B. Deshmukh & P. V. Anbhule*	Indian J. of Chem.-Sec.-B Org. and Med. Chem. 52, Dec. 2013, 1521-1526	0376-4699	0.64
12.	<i>In-silico, in-vitro</i> antibacterial activity and toxicity profile of new quinoline derivatives. P. P. Sambavekar, M. M. Aitawade, D. R. Patil, G. B. Kolekar , M. B. Deshmukh, P. V. Anbhule*	Indian J. of Chem. Sec.-B Org. and Med. Chem.	0376-4699	0.64
13.	Fluorescence enhancement effect in pyrene and perylene doped nanoporous polystyrene films: Mechanistic and morphology. Netaji K. Desai, Madhu K. Gupta, Govind B. Kolekar , Shivajirao R. Patil	Physica Status Solidi (A) Applications and Materials	1862-6300	1.46

		Science 210 (2013) 2121– 2127.		
14	Direct detection of sulfide ion [S ²⁻] in aqueous media based on fluorescence quenching of functionalized CdS QDs at trace level: Analytical applications to environmental analysis. Anil H. Gore, Sandip B. Vatre, Prashant V. Anbhule, Sung-Hwan Han, Shivajirao R. Patil, Govind B. Kolekar*	Analyst 138 (2013) 1329– 1333.	1364- 5528	3.96
15.	A spectral deciphering the perturbation of model transporter protein (HSA) by antibacterial pyrimidine derivative: Pharmacokinetic and biophysical insight. V. D. Suryawanshi, P. V. Anbhule, A. H. Gore, S. R. Patil, G. B. Kolekar*	Journal of Photochemistry and Photobiology B: Biology 118 (2013) 1–8	1011- 1344	2.81
16.	Highly Selective and Sensitive Recognition of Cobalt (II) Ions Directly in Aqueous Solution Using Carboxyl-Functionalized CdS QDs as a Naked Eye Colorimetric Probe: Applications to Environmental Analysis A. H. Gore, D. B. Gunjal, M. R. Kokate, V. Sudarsan, P. V. Anbhule, S. R. Patil, G. B. Kolekar*	ACS Applied Materials & Interfaces 2012, 4, 5217–5226	1944- 8244	4.52
17.	Micellar mediated binding interaction between Proflavine hemisulphate and salicylic acid: Spectroscopic insights and its analytical application D. T. Patil, V. V. Mokashi, G. B. Kolekar , S. R. Patil	Luminescence 28 (2013) 821– 826	1522- 7243	1.73
18.	Synthesis of Dy doped Co-Zn ferrite by sol-gel auto combustion method and its characterization. S. R. Kulal, S. S. Khetre, P. N. Jagdale, V. M. Gurame, D. P. Waghmode, G. B. Kolekar , S. R. Sabale, S. R. Bamane	Materials Letters 84 (2012) 169– 172	0167- 577X	2.31
19.	Spectroscopic Investigation on the Interaction of Pyrimidine Derivative, 2-Amino-6-hydroxy-4-(3,4-dimethoxyphenyl)-pyrimidine-5-carbonitrile with Human Serum Albumin: Mechanistic and Conformational Study V. D. Suryawanshi, P. V. Anbhule, A. H. Gore, S. R. Patil, G. B. Kolekar*	Industrial & Engineering Chemistry Research 51 (2012) 95–102	1520- 5045	2.24
20.	Micellar-mediated binding interaction between perylene and dl-phenylalanine:	Journal of Molecular	0167- 7322	1.58

	Insights from spectroscopic investigations S. H. Lee, A. H. Gore, T. F. S. M. Alam, G. B. Kolekar*	Liquids 168 (2012) 12–16.		
21.	Evaluation of interparticle interaction between colloidal Ag nanoparticles coated with trisodium citrate and safranin by using FRET: Spectroscopic and Mechanistic approach Vidya V. Mokashi, Anil H. Gore, V. Sudarsan, Madhab C. Rath, Sung H. Han, Shivajirao R. Patil and G. B. Kolekar*	Journal of Photochemistry and Photobiology B: Biology 13 (2012) 63–69	1011-1344	2.81
22.	Fluorescence enhancement effect for the determination of adenosine 5'-monophosphate with 9-anthracene carboxylic acid-cetyltrimethyl ammonium bromide M. S. Khot, N. K. Desai, G. B. Kolekar and S. R. Patil	Journal of Fluorescence 21 (2011) 1997–2003.	1573-4994	2.11
23.	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. Anil H. Gore, Umesh S. Mote, Shahaji S. Tele, Prashant V. Anbhule, Madhab C. Rath, Shivajirao R.. Patil and G. B. Kolekar*	Analyst 136 (2011) 2606–2612.	1364-5528	3.96
24.	Ecofriendly synthesis of benzoxazines and benzothiazines at ambient temperature without catalyst and their anti-bacterial and anti-fungal activity. Dipti R. Patil, Sonali M. Salunkhe, Mayur M. Aitawade, Madhukar B. Deshmukh, Govind Kolekar and Prashant V. Anbhule	Der Pharma Chemica 3 (2011) 207–214	0975-413X	--
25.	Silica sulfuric acid: Recyclable and efficient catalyst for the 2-aryl benzothiazoles. Dipti R. Patil, Sonali M. Salunkhe, Prakash P. Sambavekar, Madhukar B. Deshmukh, Govind B. Kolekar and Prashant V. Anbhule	Der Pharma Chemica 3 (2011) 207–214	0975-413X	--
26.	Fluorimetric study on the interaction between norfloxacin and proflavine hemisulphate. Vishalkumar R. More, Prashant V. Anbhule, Sang H. Lee, Shivajirao R. Patil and Govind B. Kolekar*	Journal of Fluorescence 21 (2011) 1789–1796.	1053-0509	1.66
27.	Fluorescence resonance energy transfer from tryptophan to folic acid in micellar media and deionised water. U. S. Mote, S. R. Patil, S. H. Bhosale, S. H.	Journal of Photochemistry and	1011-1344	2.81

	Han and G. B. Kolekar*	Photobiology B: Biology 103 (2011) 16–21.		
28.	Development and Validation of LC Method for Simultaneous Estimation of Chlorzoxazone, Paracetamol and Nimesulide in Pharmaceutical Tablets. S. S. Tele, P. V. Anbhule, S. R. Patil, and G. B. Kolekar*	Journal of Basic and Applied Sciences 6 (2011) 61–65	2229-3302	--
29.	An efficient synthesis of bis(indolyl)methanes using catalytic amount of polystyrenesulphonic acid in water S. A. Sankpal, M. B. Deshmukh, G. B. Kolekar and P. V. Anbhule*	Journal of Basic and Applied Sciences 6 (2011) 61–65	2229-3302	--
30.	Validated Stability Indicating LC Method for Carprofen: Characterisation of Degradation Products by MS. Shahaji S. Tele, Tushar V. Gadkari, Shivaji R Patil, and Govind B. Kolekar*	Journal of Chromatographic Science 49 (2011) 434–438.	0021-9665	1.08
31.	Spectrofluorimetric Studies on Interaction between Quinine sulphate and Riboflavin. D. T. Patil, S. L. Bhattar, G. B. Kolekar and S. R. Patil	Journal of Solution Chemistry 40 (2011)	1572-8927	1.42
32.	Fluorescence Resonance Energy Transfer between Anthracene and Proflavine Hemisulphate in micellar solution and Analytical application on determination of Proflavine Hemisulphate S. L. Bhattar, G. B. Kolekar and S. R. Patil	Journal of Dispersion science and Technology 32 (2011) 23–27.	1532-2351	0.63
33.	Fluorescence spectroscopic studies on interaction between carprofen and triton X-100 micelle Umesh S. Mote, Shivajirao R. Patil and Govind B. Kolekar*	Journal of Molecular Liquids 157 (2010) 102–104.	0167-7322	1.58
34.	Fluorimetric study of the interaction between ATP and ciprofloxacin-Y ³⁺ complex and its application. Shailaja R. Patil, Umesh S. Mote, Shivajirao R. Patil, Sang-Hak Lee and Govind B. Kolekar*	Journal of Rare Earths 28 (2010) 329–332	1002-0721	0.90
35.	Fluorescence quenching studies on the interaction between Riboflavin and Norfloxacin and Analytical application on determination of vitamin B2. V. R. More, U. S. Mote, S R Patil, and G. B. Kolekar*	Journal of Solution Chemistry 39 (2010) 97–106.	1572-8927	1.42

36.	TiO ₂ nanotubes with a ZnO thin energy barrier for improved current efficiency of CdSe quantum-dot-sensitized solar cells. Wonjoo Lee, Soon Hyung Kang, Jae-YupKim, Govind B. Kolekar , Yung-Eun Sung and Sung-Hwan Han.	Nanotechnology 20 (2009) 335706-335711	1361-6528	4.0
37.	Spectroscopic studies on the Molecular Interaction between Salicylic Acid and Riboflavin (B ₂) in micellar solution. S. L. Bhattar, G. B. Kolekar and S. R. Patil.	Journal of Luminescence 130 (2010) 355–359	0022-2313	2.10
38.	Interaction between Felodipine and Bovine Serum Albumin: Fluorescence Quenching Study. U. S. Mote, S. L. Bhattar, S. R. Patil and G. B. Kolekar	Luminescence 25 (2010) 1–8.	1522-7243	1.73
39.	Effect of temperature and pH on interaction between bovine serum albumin and cetylpyridinium bromide: fluorescence spectroscopic approach. U. S. Mote, Sung-Hwan Han, S. R. Patil and G.B. Kolekar*	Journal of Luminescence 130 (2010) 2059–2064	0022-2313	2.10
40.	Gallium (III) Chloride Catalyzed Synthesis of Polyhydroquinolines at Ambient Temperature and Photoluminance Study of Ethyl-1,4,7,8-tetrahydro-2,7,7-trimethyl-4-(4-chlorophenyl)-5(6H)-oxoquinolin-3-carboxylate. Dipti R. Patil, Madhukar B. Deshmukh, Sonali M. Salunkhe, Dadasaheb K. Salunkhe, Govind B. Kolekar and Prashant V. Anbhule.	Der Pharma Chemica 2 (2010) 342–348	0975-413X	---
41.	Effect of polar dopants on structure of emission spectrum of crystalline anthracene powders. M. N. Gharage, S. L. Bhattar, G. B. Kolekar and S. R. Patil	Indian Journal of Chemistry Section A 48A (2009) 1383–1387.	0975-0975	0.89
42.	Fluorescence resonance energy transfer from Proflavine hemisulphate to Rose Bengal in aqueous micellar solution. S L Bhattar, G B Kolekar and S R Patil	Indian Journal of Chemistry Section A 48A (2009) 1383–1387.	0975-0975	0.89
43.	Spectrofluorimetric Determination of 5-Fluorouracil by Fluorescence Quenching of 9-Anthracenecarboxylic Acid. M. S. Khot, S. L. Bhattar, G. B. Kolekar and S. R. Patil	Spectrochimica Acta Part A 77 (2010) 82–86.	1386-1425	2.1
44.	Structural and photophysical aspects of perylene doped anthracene crystalline powders prepared by microwave heating M. N. Gharage, S. L. Bhattar, G. B. Kolekar	Indian Journal of Chemistry Section A 47A (2008) 1642–	0975-0975	0.89

	and S. R. Patil	1648.		
45.	Spectroscopic Studies on the Interaction Between Norfloxacin And P-Amino Benzoic Acid: Analytical Application on Determination of Norfloxacin V. R. More, U. S. Mote, S. R. Patil and G. B. Kolekar	Spectrochimica Acta Part A 77 (2010) 82–86.	1386-1425	2.1
46	Interaction of fluorescein with felodipine: Spectrofluorometric and thermodynamic study. U. S. Mote, S. L. Bhattar, S. R. Patil and G. B. Kolekar*	Journal of Solution Chemistry 38 (2009) 619–628	1572-8927	1.42
47.	Determination of Heparin Using Norfloxacin-cerium Complex as a Fluorescence Probe by Spectrofluorimetry. Shailaja R. Patil, U S. Mote, S. R. Patil, and G. B. Kolekar*	Bulletin of the Korean Chemical Society 30 (2009) 3034–3038.	1229-5949	0.91
48.	Synthesis and photophysical studies on 5-ethoxycarbonyl-4-Cinnamyl-6-methyl-3,4-dihydropyrimidine-2(1h)-one in various solvents. Sheela N. Lad, Umesh S. Mote, Swaminath L. Bhattar, Prashant V. Anbhule, Shivajirao R. Patil and Govind B. Kolekar*	Bulletin of the Chemical Society of Ethiopia 23 (2009) 231–238	1011-3924	0.28
49.	Photoinduced intermolecular electron transfer from aromatic amines to 9-methylanthracene in Sodium dodecyl sulfate micellar solutions. S. R. Patil, G. B. Kolekar and M. S. Khot	Physical Chemistry: An Indian Journal 3 (2008) 1–7.	0974 - 7524	0.30
50	Structural and photophysical aspects of Perylene doped anthracene crystalline powders prepared by microwave heating	Indian Journal of Chemistry Section A 47A (2008) 1642–1648.	0975-0975	0.89
51.	Fluorescence Resonance Energy Transfer Between Perylene and Riboflavin in micellar solution and Analytical application on determination of Vitamin B2. S. L. Bhattar, G. B. Kolekar and S. R. Patil	Journal of Luminescence 128 (2008) 306–310	0022-2313	2.10
52.	Status of water quality in selected area of Malshiras Tahasil: Physico-Chemical Parameters. G. B. Kolekar	Trajectory A biannual Journal of Research Articles 15 (2007)	0975-1165	--
53.	Extraction of Ruthenium (IV) from hydrochloric acid medium with N-octylaniline and its determination spectrophotometrically with pyrimidine-2-thiol.	Separation Science and Technology 35 (2000) 153–168.	0149-6395	1.16

	T. N. Lokhande, G. B. Kolekar , M. A. Anuse and M. B. Chavan.			
54.	Solvent Extraction, Separation and Spectrophotometric determination of Antimony (III) with 1-(4'-bromophenyl)-4,4,6-trimethyl (1H,4H)-pyrimidine-2-thiol: Analysis of synthetic mixtures and alloys. G. B. Kolekar , B. M. Sargar and M. A. Anuse	Chemical and Environmental Research 9(1&2) (2001) 37–46.	--	--
55.	Extraction ,separation and spectrophotometric determination of Tellurium (IV) with 1-(4'-bromophenyl)-4,4,6' trimethyl-1,4-dihydropyrimidine-2-thiol. G. B. Kolekar and M. A. Anuse	Bulletin Chemical Society of Japan 71 (4) (1998) 859–866.	--	--
56.	Extractive Spectrophotometric determination of Selenium (IV) using 1-(4'-bromophenyl)-4,4,6-trimethyl (1H, 4H)-pyrimidine-2-thiol from alloys and pharmaceutical samples. G. B. Kolekar and M. A. Anuse	Research Journal of Chemistry and Environment 2(3) (1998) 9–15.	09720626	0.64
57.	Extraction, separation and Spectrophotometric determination of Bismuth (III)using1-(4'-bromophenyl)-4,4,6-trimethyl(1H, 4H)-pyrimidine-2-thiol. G. B. Kolekar , T. N. Lokhande, P. N. Bhosale and M. A. Anuse	Analytical Letters 31 (13) (1998) 2241–2254.	0003-2719	0.96
58	Extractive Spectrophotometric determination of Thallium (I) with pyrimidine-2-thiol. G. B. Kolekar , T. N. Lokhande, and M. A. Anuse.	Research Journal of Chemistry and Environment 2(3) (1998) 9–15.	09720626	0.64
59.	Solvent Extraction and Spectrophotometric determination of Rhenium(VII) with 1-(4'-bromophenyl)-4,4,6trimethyl-(1H,4H)-2-pyrimidinethiol:Analysis of alloys. G. B. Kolekar , and M.A. Anuse	Chemical and Environmental Research 7 (3&4) (1998) 341–345.	--	--

12. List of Conference/Workshop/Seminar attended

Sr. No.	Title of the paper presented	Title of Conference / Seminar	Organized by	International /National
1	Pyrimidinethiol as a new reagent for Extractive Spectrophotometric Determination of Rhenium (VII)	National conference on Applications of Solvent Extraction in Chemistry and Industry.	Shivaji University, Kolhapur (INDIA) 6 th -8 th March, 1996	National
2	Solvent Extraction and Spectrophotometric Determination of Osmium (VIII) with Pyrimidinethiol	15 th Conference, Indian Council of Chemists	Dr. B.A. Maratha Wada. University, Aurangabad (INDIA), 24 th -26 th Oct. 1996	National
3	Extractive Spectrophotometric Determination of Selenium (IV) using pyrimidine-2 thiol from alloys and pharmaceutical samples	16 th Conference, Indian Council of Chemists,	Mangalore University, Mangalgangotri, (INDIA) 29 th -31 st December 1997	National
4	Extraction, Separation and Spectrophotometric Determination of Bismuth (III) using 1-(4-bromophenyl)4,4,6-trimethyl (1H, 4H)- pyrimidinethiol, 35 th Annual Convention of Chemistry	35 th Annual Convention of Chemistry	Karnataka University, Dharwad (INDIA), 4 th -7 th Nov.1998	National
5	Photo-induced proton transfer studies of salicylic acid doped in polymer films	8 th Biennial, Trombay Symposium on Radiation & Photochemistry	BARC, Mumbai, 5 th -9 th January, 2006	International
6	Fluorescence Resonance Energy Transfer Between Perylene and Riboflavin in micellar solution and Analytical application on determination of Vitamin B ₂	International Symposium on Material Chemistry	BARC, Mumbai, Dec. 4 th -8 th ,2006.	International
7	Synthesis and fluorescence studies on 5-Ethoxycarbonyl-4-cinnamyl-6-methyl-3,4-dihydropyrimidine-2(1h)-one in various solvents	Synthesis of new Materials for Industrial Applications	Department of Chemistry, Shivaji University, Kolhapur during 1 st -2 nd February 2008.	National
8	Study of the effect of polar dopants on structure of emission spectrum of crystalline anthracene powder	Synthesis of new Materials for Industrial Applications	Department of Chemistry, Shivaji University, Kolhapur during 1 st -2 nd February 2008.	National

9	Spectroscopic studies on the interaction between norfloxacin and p-Amino benzoic acid: analytical application on determination of Norfloxacin	Synthesis of new Materials for Industrial Applications	Department of Chemistry, Shivaji University, Kolhapur during 1 st -2 nd February 2008.	National
10	Fluorescence probe study of the interaction between pyrene and oil in water micro emulsion.	International conference on Nanomaterials & Applications (ICNAMA-2008)	Dept. of Chemistry & Dept. of Physics Shivaji University, Kolhapur during 9 th -11 th Dec. 2008.	International
11	Fluorescence resonance energy transfer from proflavine hemisulphate to rose bengal in aqueous micellar solution.	Advanced synthetic Methodologies and Functional Materials (ASMFM)	Department of Chemistry, Shivaji University, Kolhapur during 23 rd & 24 th Dec. 2009	National
12	Fluorescence resonance energy transfer between felodipine and fluorescein & application	Advanced synthetic Methodologies and Functional Materials (ASMFM)	Department of Chemistry, Shivaji University, Kolhapur during 23 rd & 24 th Dec. 2009	National
13	A photophysical study of anti-inflammatory drug: Validated Stability Indicating LC Method for Carprofen	Advanced synthetic Methodologies and Functional Materials (ASMFM)	Department of Chemistry, Shivaji University, Kolhapur during 23 rd & 24 th Dec. 2009	National
14	Determination of Heparin Using Norfloxacin-cerium Complex as a Fluorescence Probe by Spectrofluorimetry	Advanced synthetic Methodologies and Functional Materials (ASMFM)	Department of Chemistry, Shivaji University, Kolhapur during 23 rd & 24 th Dec. 2009	National
15	Spectrofluorimetric Studies on Interaction between Quinine sulphate and Riboflavin.	Advanced synthetic Methodologies and Functional Materials (ASMFM)	Department of Chemistry, Shivaji University, Kolhapur during 23 rd & 24 th Dec. 2009	National
16	Spectrofluorimetric Determination of 5-Fluorouracil by Fluorescence Quenching of 9-Anthracenecarboxylic Acid.	Advanced synthetic Methodologies and Functional Materials (ASMFM)	Department of Chemistry, Shivaji University, Kolhapur during 23 rd & 24 th Dec. 2009	National
17	Fluorescence spectroscopic studies on interaction between carprofen and triton X-100 micelle	National conference on luminescence and its applications	Gandhigram Rural Institute Gandhigram Tamilnadu during 9 th -11 th Feb.2010	National
18	Interaction Between Bovine Serum albumin and Mefloquine: Fluorescence quenching study	National conference on luminescence and its applications	Gandhigram Rural Institute Gandhigram Tamilnadu during 9 th -11 th Feb.2010	National

19	Spectroscopic studies on the Molecular Interaction between Salicylic Acid and Riboflavin (B ₂) in micellar solution.	National conference on luminescence and its applications	Gandhigram Rural Institute Gandhigram Tamilnadu during 9 th -11 th Feb.2010	National
20	Interaction Between Bovine Serum albumin and Mefloquine: Fluorescence quenching study	DAE-BRNS 3 rd International Symposium on Materials Chemistry (ISMC-2010)	BARC, Mumbai 7 th -11 th Dec. 2010	International
21	Sensitization of Perylene fluorescence by pyrene in polymer thin films	Advanced synthetic Methodologies and New Materials (ASMNM)	Department of Chemistry, Shivaji University, Kolhapur during 21 st & 22 nd Jan. 2011	National
22	Validated enantioselective high performance liquid chromatographic method for analysis of S-Etodolac using acid glycoprotein chiral phase	Advanced synthetic Methodologies and New Materials (ASMNM)	Department of Chemistry, Shivaji University, Kolhapur during 21 st & 22 nd Jan. 2011	National
23	Fluorescence resonance energy transfer from salicylic acid to acriflavine in aqueous micellar environment	Advanced synthetic Methodologies and New Materials (ASMNM)	Department of Chemistry, Shivaji University, Kolhapur during 21 st & 22 nd Jan. 2011	National
24	Synthesis, characterization and photophysical interaction of silver nanoparticles with safranin	Advanced synthetic Methodologies and New Materials (ASMNM)	Department of Chemistry, Shivaji University, Kolhapur during 21 st & 22 nd Jan. 2011	National
25	Evaluation of interparticle interaction between colloidal silver nanoparticles coated with trisodium citrate and safranin by using FRET: Spectroscopic & Mechanistic approach	Emerging trends in Applications of Laser and accelerator in nanomaterial (ETALAN-2011)	BARC, Mumbai 20 th & 21 st Oct. 2011	National
26	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.	Professor Ram Chand Paul International Conference on Emerging trends in Chemistry (CPIC-2011)	Panjab University, Chandigarh, Panjab during 11 th & 12 th Feb.2011	International

27	Synthesis & solvatochromic behaviour of 2-amino-6-hydroxy-4-(3,4-dimethoxyphenyl)-pyrimidine-5-carbonitrile in various solvents	Professor Ram Chand Paul International Conference on Emerging trends in Chemistry (CPIC-2011)	Panjab University, Chandigarh, Panjab during 11 th & 12 th Feb.2011	International
28	Synthesis and Biological Activity of Some New Thiazolo Pyrimidine Derivatives	National Conference on Research in Chemical Sciences	Milliya Arts, Science and Management Science College, Beed during 1 st -2 nd Feb. 2011	National
21	Interaction between colloidal Ag Nanoparticles coated with trisodium citrate and Safranin by using FRET:	National Seminar On Advanced Spectral Methods of Analysis (NS-ASMA-2011)	K. B. P. College, Pandharpur on 16 th & 17 th Dec. 2011	National
29	Sensitive & Selective Determination of Ranitidine Hydrochloride in Aqueous Solution by CdS QDs as a Fluorescent Probe	Avishkar 2011-12 District level	Department of Chemistry, Shivaji University, Kolhapur during 23 rd Nov. 2011	National
30	Sensitive & Selective Determination of Ranitidine Hydrochloride in Aqueous Solution by CdS QDs as a Fluorescent Probe	Avishkar 2011-12 University level	Department of Chemistry, Shivaji University, Kolhapur during 15 th Dec.2011	National
31	Sensitive & Selective Determination of Ranitidine Hydrochloride in Aqueous Solution by CdS QDs as a Fluorescent Probe	VI th Maharashtra State Inter-University Research Convention Avishkar 2011-12	Shivaji University, Kolhapur during 13 th to 15 th Jan. 2012	National
32	Micellar mediated binding interaction between Proflavine hemisulphate and Salicylic acid: Spectroscopic insights and its analytical application	DAE-BRNS 11 th Biennial, Trombay Symposium on Radiation & Photochemistry (TSRP-2012)	BARC, Mumbai, 4 th - 7 th January 2012	International
33	A Spectral Deciphering the Perturbation of Human Serum Albumin by antibacterial, 2-amino-6-hydroxy-4-(4-hydroxyphenyl)-pyrimidine-5-carbonitrile: Insights From Spectroscopic Investigations	DAE-BRNS 11 th Biennial, Trombay Symposium on Radiation & Photochemistry (TSRP-2012)	BARC, Mumbai, 4 th - 7 th January 2012	International

34	CdS QDs as a colorimetric probe for selective detection of Cobalt (II) ion in aqueous solution	National Seminar on Recent Advances in Synthetic Chemistry & Nanomaterials (RASCN-2012)	Department of Chemistry, Shivaji University, Kolhapur during 21 st & 22 nd Jan. 2012	National
35	Evaluation of interparticle interaction between colloidal silver nanoparticles coated with trisodium citrate and safranin by using FRET: Spectroscopic & Mechanistic approach	National Seminar on Recent Advances in Synthetic Chemistry & Nanomaterials (RASCN-2012)	Department of Chemistry, Shivaji University, Kolhapur during 21 st & 22 nd Jan. 2012	National
36	Studies on Photo physics of exciplexes in excited 9-nitro-anthracene and N, N-diethyl aniline	National Seminar on Recent Advances in Synthetic Chemistry & Nanomaterials (RASCN-2012)	Department of Chemistry, Shivaji University, Kolhapur during 21 st & 22 nd Jan. 2012	National
37	Preparation and characterization of anthracene doped p-terphenyl for scintillation	International conference on luminescence & its applications ICLA-2012	IICT Hyderabad 7 th -10 th Feb.2012	International
38	Insecticidal efficacy of new tri-substituted quinolines against mosquito, <i>Anopheles stephensi</i> and aphid, <i>Myzus persicae</i>	State level Seminar on Changing Agriculture Land Use Pattern in Maharashtra	Dr. Patangrao Kadam Mahavidyalaya, Sangli on 8 th Sept. 2012	State level
39	A fluorescence spectroscopic study on effect of solvents on photophysical properties of 7-diethylamino 4-methylcoumarin	National Seminar on Current Research on Chemical Sciences CRCS-2013	Department of Chemistry, Shivaji University, Kolhapur during 22 nd & 23 rd Jan. 2013	National
40	A spectral elucidation of the perturbation of model transporter protein (HSA) by antibacterial pyrimidine derivative : Pharmacokinetic and biophysical insights	National Seminar on Current Research on Chemical Sciences CRCS-2013	Department of Chemistry, Shivaji University, Kolhapur during 22 nd & 23 rd Jan. 2013	National
41	Studies on photophysical behaviour of anionic dye on the surface of silver nanoparticles: Spectroscopic and mechanistic insights	National Seminar on Current Research on Chemical Sciences CRCS-2013	Department of Chemistry, Shivaji University, Kolhapur during 22 nd & 23 rd Jan. 2013	National

42	A Novel colorimetric probe for highly selective recognition of Hg ²⁺ ions in aqueous media based on inducing aggregation of CPB capped AgNPs: Accelerating the direct detection for environmental analysis	International conference “Emerging Horizons in Biochemical Sciences and Nanomaterials”	Department of Chemistry & Microbiology, Shri Shivaji Mahavidyalaya, Barshi during 28 th -30 th November,2013.	International
43	Ultrasensitive highly specific colorimetric recognition of sulfide ion (S ²⁻) in aqueous media : Applications to environmental analysis.	National Symposium on Recent Trends in Chemical and Nano Science CTCNS-2014	Department of Chemistry, Shivaji University, Kolhapur during 17 th & 18 th , Jan. 2014	National
44	Binding of drug pamabrom to Human Hemoglobin: Structural and Thermodynamic characterization studies.	National Symposium on Recent Trends in Chemical and Nano Science CTCNS-2014	Department of Chemistry, Shivaji University, Kolhapur during 17 th & 18 th , Jan. 2014	National
45	Photo induced electron transfer reactions between Anthracene and N, N-Dimethyl aniline in Cyclohexane and Acetone	National Symposium on Recent Trends in Chemical and Nano Science CTCNS-2014	Department of Chemistry, Shivaji University, Kolhapur during 17 th & 18 th , Jan. 2014	National
46	Off-on fluorescent polyanthracene for recognition of ferric and fluoride ions in aqueous acidic media: applications to pharmaceutical and environmental analysis.	National Symposium on Recent Trends in Chemical and Nano Science CTCNS-2014	Department of Chemistry, Shivaji University, Kolhapur during 17 th & 18 th , Jan. 2014	National