

Managing Editor's Profile



1. Personal Details:

Name : Dr. S. R. Patil
Managing Editor
Journal of Shivaji
University (Science &
Technology)

Designation : Professor ,
Department of Chemistry
Shivaji University, Kolhapur-
416004

Date of Birth : 12-10-1955

E-mail Address : srp_fsl@rediffmail.com
srp_chem@unishivaji.ac.in
(M) 09850092720
(O) 0231-2609164

Permanent Address : Swapnapurti, Vidyanagar, Survey no.12,
Plot No.4, Morewadi, Kolhapur-416013.

2. Academic Details:

Qualification : M.Sc.; M.Phil.;Ph.D.

Specialization : Physical Chemistry

Position : Professor of Physical Chemistry
Department of Chemistry,
Shivaji University

3. Research Specialization :
 Fluorescent Probe for analytical applications,
 Materials Chemistry,
 X-ray Crystallography and Optoelectronic Properties of doped organic luminophors,
4. Teaching Experience :
 Total 34 years
 U.G. : 15 years
 From 17 July 1979 to 2nd May 1994
 At Krishna Mahavidyalaya
 Rethare Bk. Tal. Karad,
 Dist: Satara
 P.G. : 19 years
 From 3rd May 1994 to date In Shivaji University,
 Kolhapur
5. Research Guidance :
 M.Sc. Projects : 60 students
 M.Phil. : 04 students
 Ph.D. : 08 students
6. Research Publications :
 National & Regional : 14
 International ; 60
Total 74

Prof.(Dr.) Shivajirao R. Patil

Professor of Physical Chemistry, Shivaji
University, Kolhapur

Fluorescence probes for biological sensing

Google Scholar

Citation indices	All	Since 2011
Citations	634	583
h-index	14	13
i10-index	21	18

Scopus Papers : 72

Scopus Citations : Period : 2010-2016

Year	Citations
2010	16
2011	48
2012	52
2013	69
2014	102
2015	131
2016	94

Research Gate Score : 33.46

Most Cited Research Paper : Citation: 38 times



Bhattar S. L., Kolekar, G. B and S. R. Patil

Fluorescence resonance energy transfer between perylene and riboflavin in micellar solution and analytical applications on determination of vitamin B2
J. Lumin. 128(3) (2008) 306-310

7. Conferences Attended :
National : 16
International ; 09
Invited Talk : 14

8. Research Project :

Sr. No.	Title of the project	Funding Agency	Period	Grant sanctioned/ Amount mobilize	Status
1	Major Research Project Synthesis and characteriation of organoluminophos for Light Emitting Devices	Department of Atomic Energy, Government of India	1999 To 2003	10,27,000=00	Completed
2	Preparation and characterization of organic nanoparticles for fluorescence resonance energy transfer studies and analytical applications.	University Grants Commission, New Delhi	2012 To 2015	10,45,000=00	Completed
3	Nano materials as analytical probes for sensing applications (Co-investigator)	University Grants Commission, New Delhi	2013-2016	10,88,800=00	Completed

9. Membership/Other Charges:

- A) Head, Department of Chemistry : 2009 to 2012
- B) Co-ordinator, : 2007 to 2010
Industrial Chemistry Course
- C) Member, : 2009-2012
SENATE,
Shivaji University, Kolhapur
- D) Member,
Board of Studies in Chemistry and : 1989-91 & 1991-94.
Biochemistry,
Shivaji University, Kolhapur
- E) Member, : 1991-94.
Faculty of Science,
Shivaji University, Kolhapur
- F) Member, : 2008-10
Board of Studies in Chemistry,
Solapur University, Solapur.
- G) Life Member, : 2006
Indian Society for Radiation and
Photochemistry.
- H) Life Member, : 2006
Luminescence Society of India
- I) Solapur University
Teacher
Selection Committee,
- J) Member, : 2004 to date.
Technical Committee,
ShivajiUniveristy, Kolhapur
- K) Member, : 2007 to date
Academic Committeee,
Shivaji University, Kolhapur
- L) Member, : 2011-13
Board of Studies in Chemistry,
Maharashtra State Secondary and

Higher Secondary Education,
Pune

M) Managing Editor : 2014 to date
Journal of Shivaji University

M) Coordinator, : 2016 to date
MoU- RGSTC & Shivaji
University

10. Honors /Rewards :

a) Visiting Professor : Department of Chemistry,
Hanyang University,
Seoul, South Korea.
Tenure: March, 2010 to June, 2010.
Under MoU of University.

b) Reviewer
For International Research Journals
:
Journal of Luminescence
Journal of Fluorescence
Luminescence
Spectrochemica Acta
Journal of Physical Chemistry (A) Journal
of Chemical & Engg. Data Journal of
Photochem.
Photobio. Talanta

List of Publications:

1. Patil, K.S., Mahajan, P.G., Patil, S.R.

Fluorimetric detection of Sn²⁺ ion in aqueous medium using Salicylaldehyde based nanoparticles and application to natural samples analysis

(2017) Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 170, pp. 131-137.

2. Suryawanshi, S.B., Mahajan, P.G., Bhopate, D.P., Kolekar, G.B., Patil, S.R., Bodake, A.J.

Selective recognition of MnO₄⁻ ion in aqueous solution based on fluorescence enhancement by surfactant capped naphthalene nanoparticles: Application to ultratrace determination of KMnO₄ in treated drinking water

(2016) Journal of Photochemistry and Photobiology A: Chemistry, 329, pp. 255-261.

3. Mahajan, P.G., Bhopate, D.P., Kolekar, G.B., Patil, S.R.

FRET Sensor for Erythrosine Dye Based on Organic Nanoparticles: Application to Analysis of Food Stuff

(2016) Journal of Fluorescence, 26 (4), pp. 1467-1478.

4. Desai, N.K., Mahajan, P.G., Kumbhar, A.S., Kolekar, G.B., Patil, S.R.

Nanoporous p-terphenyl-polystyrene films containing perylene; fabrication, characterization and remarkable fluorescence resonance energy transfer based blue emitting properties

(2016) Journal of Materials Science: Materials in Electronics, 27 (2), pp. 1118-1129.

5. Bhopate, D.P., Mahajan, P.G., Garadkar, K.M., Kolekar, G.B., Patil, S.R.

Polyvinyl pyrrolidone capped fluorescent anthracene nanoparticles for sensing fluorescein sodium in aqueous solution and analytical application for ophthalmic samples

(2015) Luminescence, 30 (7), pp. 1055-1063. Cited 1 time.

6. Dalavi, D.K., Kamble, A., Bhopate, D.P., Mahajan, P.G., Kolekar, G.B., Patil, S.R.
TNPs as a novel fluorescent sensor for the selective recognition of fast green FCF: A spectrofluorimetric approach
(2015) RSC Advances, 5 (85), pp. 69371-69377. Cited 2 times.

7. Mahajan, P.G., Bhopate, D.P., Kolekar, G.B., Patil, S.R.
N-methyl isatin nanoparticles as a novel probe for selective detection of Cd²⁺ ion in aqueous medium based on chelation enhanced fluorescence and application to environmental sample
(2015) Sensors and Actuators, B: Chemical, 220, pp. 864-872. Cited 8 times.

8. Bhopate, D.P., Mahajan, P.G., Garadkar, K.M., Kolekar, G.B., Patil, S.R.
A highly selective and sensitive single click novel fluorescent off-on sensor for copper and sulfide ions detection directly in aqueous solution using curcumin nanoparticles
(2015) New Journal of Chemistry, 39 (9), pp. 7086-7096. Cited 2 times.

9. Mahajan, P.G., Bhopate, D.P., Kamble, A.A., Dalavi, D.K., Kolekar, G.B., Patil, S.R.
Selective sensing of Fe²⁺ ions in aqueous solution based on fluorescence quenching of SDS capped rubrene nanoparticles: application in pharmaceutical formulation
(2015) Analytical Methods, 7 (18), pp. 7889-7898. Cited 2 times.

10. Mahajan, P.G., Desai, N.K., Dalavi, D.K., Bhopate, D.P., Kolekar, G.B., Patil, S.R.
Cetyltrimethylammonium bromide capped 9-anthraldehyde nanoparticles for selective recognition of phosphate anion in aqueous solution based on fluorescence quenching and application for analysis of chloroquine
(2015) Journal of Fluorescence, 25 (1), pp. 31-38. Cited 7 times.

11. Dalavi, D.K., Bhopate, D.P., Bagawan, A.S., Gore, A.H., Desai, N.K., Kamble, A.A., Mahajan, P.G., Kolekar, G.B., Patil, S.R.
Fluorescence quenching studies of CTAB stabilized perylene nanoparticles for the determination of Cr(VI) from environmental samples: Spectroscopic approach
(2014) Analytical Methods, 6 (17), pp. 6948-6955. Cited 8 times.

12. Desai, N.K., Kolekar, G.B., Patil, S.R.

Off-on fluorescent polyanthracene for recognition of ferric and fluoride ions in aqueous acidic media: Application in pharmaceutical and environmental analysis

(2014) *New Journal of Chemistry*, 38 (9), pp. 4394-4403. Cited 8 times.

13. Bhopate, D.P., Mahajan, P.G., Garadkar, K.M., Kolekar, G.B., Patil, S.R.

Pyrene nanoparticles as a novel FRET probe for detection of rhodamine 6G: Spectroscopic ruler for textile effluent

(2014) *RSC Advances*, 4 (109), pp. 63866-63874. Cited 6 times.

14. Patil, D.T., Mokashi, V.V., Kolekar, G.B., Patil, S.R.

Micellar-mediated binding interaction between proflavine hemisulfate and salicylic acid: Spectroscopic insights and its analytical application

(2013) *Luminescence*, 28 (6), pp. 821-826. Cited 1 time.

15. Bhopate, D.P., Kolekar, G.B., Garadkar, K.M., Patil, S.R.

Cetyltrimethylammonium bromide stabilized perylene nanoparticles for fluorimetric estimation of bicarbonate (HCO_3^-) anion: Spectroscopic approach

(2013) *Analytical Methods*, 5 (19), pp. 5324-5330. Cited 7 times.

16. Desai, N.K., Gupta, M.K., Kolekar, G.B., Patil, S.R.

Fluorescence enhancement effect in pyrene and perylene doped nanoporous polystyrene films: Mechanistic and morphology

(2013) *Physica Status Solidi (A) Applications and Materials Science*, 210 (10), pp. 2121-2127. Cited 2 times.

17. Khot, M.S., Desai, N.K., Kolekar, G.B., Patil, S.R.

Fluorescence enhancement effect for the determination of adenosine 5'-monophosphate with 9-anthracene carboxylic acid-cetyl trimethyl ammonium bromide system
(2011) Journal of Fluorescence, 21 (5), pp. 1997-2003. Cited 3 times.

18. Patil, D.T., Bhattar, S.L., Kolekar, G.B., Patil, S.R.

Spectrofluorimetric studies of the interaction between quinine sulfate and riboflavin
(2011) Journal of Solution Chemistry, 40 (2), pp. 211-223. Cited 9 times.

19. Bhattar, S.L., Kolekar, G.B., Patil, S.R.

FRET between anthracene and proflavine hemisulphate in micellar solution and analytical application on determination of proflavine hemisulphate
(2011) Journal of Dispersion Science and Technology, 32 (1), pp. 23-27. Cited 2 times.

20. Khot, M.S., Bhattar, S.L., Kolekar, G.B., Patil, S.R.

Spectrofluorimetric determination of 5-fluorouracil by fluorescence quenching of 9-anthracenecarboxylic acid
(2010) Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 77 (1), pp. 82-86. Cited 8 times.

21. Bhattar, S.L., Kolekar, G.B., Patil, S.R.

Fluorescence resonance energy transfer from proflavin hemisulphate to rose bengal in aqueous micellar solution
(2010) Indian Journal of Chemistry - Section A Inorganic, Physical, Theoretical and Analytical Chemistry, 49 (7), pp. 896-900.

22. Bhattar, S.L., Kolekar, G.B., Patil, S.R.

Spectroscopic studies on the molecular interaction between salicylic acid and riboflavin (B2) in micellar solution
(2010) Journal of Luminescence, 130 (3), pp. 355-359. Cited 7 times.

23. Gharge, M.N., Bhattar, S.L., Kolekar, G.B., Patil, S.R.

Effect of polar dopants on structure of emission spectrum of crystalline anthracene powders

(2009) Indian Journal of Chemistry - Section A Inorganic, Physical, Theoretical and Analytical Chemistry, 48 (10), pp. 1383-1387. Cited 1 time.

24. Gharge, M.N., Bhattar, S.L., Kolekar, G.B., Patil, S.R.

Structural and photophysical aspects of perylene- Doped anthracene crystalline powders prepared by microwave heating

(2008) Indian Journal of Chemistry - Section A Inorganic, Physical, Theoretical and Analytical Chemistry, 47 (11), pp. 1642-1648. Cited 4 times.

25. Patil, M.P., Bhattar, S.L., Patil, S.R.

Fluorescence studies of salicylic acid in solution and polymer film

(2008) Asian Journal of Chemistry, 20 (5), pp. 3961-3966.

26. Bhattar, S.L., Kolekar, G.B., Patil, S.R.

Fluorescence resonance energy transfer between perylene and riboflavin in micellar solution and analytical application on determination of vitamin B2

(2008) Journal of Luminescence, 128 (3), pp. 306-310. Cited 38 times.

27. Pujari, S.R., Bhosale, P.N., Rao, P.M.R., Patil, S.R.

Photophysical studies of N-phenylanthranilic acid in polymer films

(2003) Indian Journal of Chemical Technology, 10 (3), pp. 251-256.

28. Pujari, S.R., Bhosale, P.N., Rao, P.M.R., Patil, S.R.

Structural and optical studies of perylene-doped polymer thin films

(2002) Indian Journal of Pure and Applied Physics, 40 (12), pp. 896-900. Cited 1 time.

29. Pujari, S.R., Kambale, M.D., Bhosale, P.N., Rao, P.M.R., Patil, S.R.

Optical properties of pyrene doped polymer thin films

(2002) Materials Research Bulletin, 37 (9), pp. 1641-1649. Cited 14 times.

30. Pujari, S.R., Bhosale, P.N., Rao, P.M.R., Patil, S.R.
Sensitized monomer fluorescence and excitation energy transfer in perylene-doped phenanthrene in crystalline and in polymer matrix
(2002) Materials Research Bulletin, 37 (3), pp. 439-448. Cited 10 times.
31. Pujari, S.R., Jadhav, S.A., Bhosale, P.N., Rao, P.M.R., Patil, S.R.
Fluorescence studies of biphenyl doped by pyrene and perylene
(2002) Indian Journal of Pure and Applied Physics, 40 (2), pp. 115-121. Cited 1 time.
32. Patwari, S.B., Baseer, M.A., Vartale, S.P., Patil, S.R.
X-ray diffraction study of organic mixed crystals
(2002) Asian Journal of Chemistry, 14 (1), pp. 57-61. Cited 1 time.
33. Pujari, S.R., Jadhav, S.A., Patil, S.R.
Tuning of wavelength of exciplex emission of pyrene and perylene in fluorene matrix
(2001) Indian Journal of Chemistry - Section A Inorganic, Physical, Theoretical and Analytical Chemistry, 40 (9), pp. 933-938. Cited 2 times.
34. Jadhav, S.A., Pujari, S.R., Patil, S.R.
Photophysics of exciplex emission of crystalline biphenyl doped by pyrene
(2000) Indian Journal of Pure and Applied Physics, 38 (1), pp. 43-47.
35. Jadhav, S.A., Patil, S.R.
Sensitization of fluorescence of crystalline fluorene by anthracene
(1999) Materials Chemistry and Physics, 60 (2), pp. 204-210.
36. Patil, S.R., Patwari, S.B.
Red shift in fluorescence of naphthalene doped by anthracene and perylene
(1999) Journal of Luminescence, 82 (2), pp. 115-119. Cited 14 times.
37. Patwari, S.B., Patil, S.R.

Quenching of excimer fluorescence of crystalline pyrene by doped anthracene
(1997) Indian Journal of Chemistry - Section A Inorganic, Physical, Theoretical and Analytical Chemistry, 36 (9), pp. 792-794.

38. Pawar, S.P., Walekar, L.S., Kondekar, U.R., Gunjal, D.B., Gore, A.H., Anbhule, P.V., Patil, S.R., Kolekar, G.B.

A quantum dot-based dual fluorescent probe for recognition of mercuric ions and: N - acetylcysteine: "on-Off-On" approach

(2016) Analytical Methods, 8 (35), pp. 6512-6519.

39. Walekar, L.S., Pawar, S.P., Gore, A.H., Suryawanshi, V.D., Undare, S.S., Anbhule, P.V., Patil, S.R., Kolekar, G.B.

Surfactant stabilized AgNPs as a colorimetric probe for simple and selective detection of hypochlorite anion (ClO⁻) in aqueous solution: Environmental sample analysis

(2016) Colloids and Surfaces A: Physicochemical and Engineering Aspects, 491, pp. 78-85.

40. Walekar, L.S., Pawar, S.P., Kondekar, U.R., Gunjal, D.B., Anbhule, P.V., Patil, S.R., Kolekar, G.B.

Spectroscopic Investigation of Interaction between Carbon Quantum Dots and D-Penicillamine Capped Gold Nanoparticles, (2015) Journal of Fluorescence, 25 (4), pp. 1085-1093.

41. Pawar, S.P., Gore, A.H., Walekar, L.S., Anbhule, P.V., Patil, S.R., Kolekar, G.B.

Turn-on fluorescence probe for selective and sensitive detection of d-penicillamine by CdS quantum dots in aqueous media: Application to pharmaceutical formulation

(2015) Sensors and Actuators, B: Chemical, 209, pp. 911-918. Cited 7 times.

42. Kondekar, U.R., Walekar, L.S., Gore, A.H., Anbhule, P.V., Han, S.H., Patil, S.R., Kolekar, G.B.

Ultrasensitive, highly specific, colorimetric recognition of sulfide ions [S²⁻] in aqueous media: Applications to environmental analysis

(2015) Analytical Methods, 7 (6), pp. 2547-2553. Cited 1 time.

43. Walekar, L.S., Kondekar, U.R., Gore, A.H., Pawar, S.P., Sudarsan, V., Anbhule, P.V., Patil, S.R., Kolekar, G.B.

Ultrasensitive, highly selective and naked eye colorimetric recognition of d-penicillamine in aqueous media by CTAB capped AgNPs: Applications to pharmaceutical and biomedical analysis

(2014) RSC Advances, 4 (102), pp. 58481-58488. Cited 2 times.

44. Kondalkar, V.V., Mali, S.S., Pawar, N.B., Mane, R.M., Choudhury, S., Hong, C.K., Patil, P.S., Patil, S.R., Bhosale, P.N., Kim, J.H.

Microwave-assisted rapid synthesis of highly porous TiO₂ thin films with nanocrystalline framework for efficient photoelectrochemical conversion

(2014) Electrochimica Acta, 143, pp. 89-97. Cited 11 times.

45. Gore, A.H., Kale, M.B., Anbhule, P.V., Patil, S.R., Kolekar, G.B.

A novel FRET probe for selective and sensitive determination of vitamin B₁₂ by functionalized CdS QDs in aqueous media: Applications to pharmaceutical and biomedical analysis

(2014) RSC Advances, 4 (2), pp. 683-692. Cited 5 times.

46. Mokashi, V.V., Walekar, L.S., Anbhule, P.V., Lee, S.H., Patil, S.R., Kolekar, G.B.

Study of energy transfer between riboflavin (vitamin B₂) and AgNPs

(2014) Journal of Nanoparticle Research, 16 (3), .

47. Kondalkar, V.V., Mali, S.S., Mane, R.M., Dandge, P.B., Choudhury, S., Hong, C.K., Patil, P.S., Patil, S.R., Kim, J.H., Bhosale, P.N.

Photoelectrocatalysis of cefotaxime using nanostructured TiO₂ photoanode: Identification of the degradation products and determination of the toxicity level

(2014) Industrial and Engineering Chemistry Research, 53 (47), pp. 18152-18162. Cited 6 times.

48. Walekar, L.S., Gore, A.H., Anbhule, P.V., Sudarsan, V., Patil, S.R., Kolekar, G.B.

A novel colorimetric probe for highly selective recognition of Hg²⁺ ions in aqueous media based on inducing the aggregation of CPB-capped AgNPs: Accelerating direct detection for environmental analysis

(2013) *Analytical Methods*, 5 (20), pp. 5501-5507. Cited 5 times.

49. Suryawanshi, V.D., Gore, A.H., Walekar, L.S., Anbhule, P.V., Patil, S.R., Kolekar, G.B. 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

(2013) *Journal of Molecular Liquids*, 184, pp. 4-9. Cited 3 times.

50. Suryawanshi, V.D., Gore, A.H., Dongare, P.R., Anbhule, P.V., Patil, S.R., Kolekar, G.B. A novel pyrimidine derivative as a fluorescent chemosensor for highly selective detection of Aluminum (iii) in aqueous media

(2013) *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 114, pp. 681-686. Cited 13 times.

51. Gore, A.H., Vatre, S.B., Anbhule, P.V., Han, S.-H., Patil, S.R., Kolekar, G.B.

Direct detection of sulfide ions [S²⁻] in aqueous media based on fluorescence quenching of functionalized CdS QDs at trace levels: Analytical applications to environmental analysis

(2013) *Analyst*, 138 (5), pp. 1329-1333. Cited 26 times.

52. Suryawanshi, V.D., Anbhule, P.V., Gore, A.H., Patil, S.R., Kolekar, G.B.

A spectral deciphering the perturbation of model transporter protein (HSA) by antibacterial pyrimidine derivative: Pharmacokinetic and biophysical insights

(2013) *Journal of Photochemistry and Photobiology B: Biology*, 118, pp. 1-8. Cited 18 times.

53. Gore, A.H., Gunjal, D.B., Kokate, M.R., Sudarsan, V., Anbhule, P.V., Patil, S.R., Kolekar, G.B.

Highly selective and sensitive recognition of cobalt(II) ions directly in aqueous solution using carboxyl-functionalized CdS quantum dots as a naked eye colorimetric probe: Applications to environmental analysis

(2012) ACS Applied Materials and Interfaces, 4 (10), pp. 5217-5226. Cited 26 times.

54. Mokashi, V.V., Gore, A.H., Sudarsan, V., Rath, M.C., Han, S.H., Patil, S.R., Kolekar, G.B. Evaluation of interparticle interaction between colloidal Ag nanoparticles coated with trisodium citrate and safranin by using FRET: Spectroscopic and mechanistic approach

(2012) Journal of Photochemistry and Photobiology B: Biology, 113, pp. 63-69. Cited 15 times.

55. Suryawanshi, V.D., Anbhule, P.V., Gore, A.H., Patil, S.R., Kolekar, G.B.

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

(2012) Industrial and Engineering Chemistry Research, 51 (1), pp. 95-102. Cited 23 times.

56. Tele, S.S., Gadkari, T.V., Patil, S.R., Kolekar, G.B.

Validated stability indicating LC method for carprofen: Characterization of degradation products by MS

(2011) Journal of Chromatographic Science, 49 (6), pp. 434-438. Cited 2 times.

57. More, V.R., Anbhule, P.V., Lee, S.H., Patil, S.R., Kolekar, G.B.

Fluorimetric study on the interaction between norfloxacin and proflavine hemisulphate

(2011) Journal of Fluorescence, 21 (4), pp. 1789-1796. Cited 3 times.

58. Gore, A.H., Mote, U.S., Tele, S.S., Anbhule, P.V., Chandra Rath, M., Patil, S.R., Kolekar, G.B.

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

(2011) *Analyst*, 136 (12), pp. 2606-2612. Cited 17 times.

59. Mote, U.S., Patil, S.R., Bhosale, S.H., Han, S.H., Kolekar, G.B.

Fluorescence resonance energy transfer from tryptophan to folic acid in micellar media and deionised water

(2011) *Journal of Photochemistry and Photobiology B: Biology*, 103 (1), pp. 16-21. Cited 23 times.

60. Mote, U.S., Patil, S.R., Kolekar, G.B.

Fluorescence spectroscopic studies on interaction between carprofen and triton X-100 micelle

(2010) *Journal of Molecular Liquids*, 157 (2-3), pp. 102-104. Cited 2 times.

61. Mote, U.S., Han, S.-H., Patil, S.R., Kolekar, G.B.

Effect of temperature and pH on interaction between bovine serum albumin and cetylpyridinium bromide: Fluorescence spectroscopic approach

(2010) *Journal of Luminescence*, 130 (11), pp. 2059-2064. Cited 29 times.

62. Patil, S.R., Mote, U.S., Patil, S.R., Lee, S.-H., Kolekar, G.B.

Fluorimetric study of the interaction between ATP and ciprofloxacin-Y3+ complex and its application, (2010) *Journal of Rare Earths*, 28 (3), pp. 329-332. Cited 4 times.

63. Mote, U.S., Bhattar, S.L., Patil, S.R., Kolekar, G.B.

Interaction between felodipine and bovine serum albumin: Fluorescence quenching study

(2010) *Luminescence*, 25 (1), pp. 1-8. Cited 52 times.

64. More, V.R., Mote, U.S., Patil, S.R., Kolekar, G.B.

Fluorescence quenching studies of the interaction between riboflavin and norfloxacin and analytical application in the determination of vitamin B 2

(2010) *Journal of Solution Chemistry*, 39 (1), pp. 97-106. Cited 5 times.

65. Lad, S.N., Mote, U.S., Bhattar, S.L., Anbhule, P.V., Patil, S.R., Kolekar, G.B.

Synthesis and photophysical studies on 5-ethoxycarbonyl-4-cinnamyl-6-methyl-3,4-dihydropyrimidine-2(1H)-one in various solvents,

(2009) Bulletin of the Chemical Society of Ethiopia, 23 (2), pp. 231-238. Cited 2 times.

66. Patil, S.R., Mote, U.S., Patil, S.R., Kolekar, G.B.

Determination of heparin using Norfloxacin-cerium complex as a fluorescence probe by spectrofluorimetry

(2009) Bulletin of the Korean Chemical Society, 30 (12), pp. 3034-3038. Cited 3 times.

67. More, V.R., Mote, U.S., Patil, S.R., Kolekar, G.B.

Spectroscopic studies on the interaction between norfloxacin and p-amino benzoic acid: Analytical application on determination of norfloxacin

(2009) Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 74 (3), pp. 771-775. Cited 22 times.

68. Mote, U.S., Bhattar, S.L., Patil, S.R., Kolekar, G.B.

Interaction of fluorescein with felodipine: A spectrofluorometric and thermodynamic study

(2009) Journal of Solution Chemistry, 38 (5), pp. 619-628. Cited 15 times.

70. Husain, M., Patil, P.S., Patil, S.R., Samdarshi, S.K.

Combined effect of bottom reflectivity and water turbidity on steady state thermal efficiency of salt gradient solar pond

(2004) Energy Conversion and Management, 45 (1), pp. 73-81. Cited 13 times.

71. Husain, M., Patil, S.R., Patil, P.S., Samdarshi, S.K.

Simple methods for estimation of radiation flux in solar ponds

(2004) Energy Conversion and Management, 45 (2), pp. 303-314. Cited 12 times.

72. Husain, M., Patil, P.S., Patil, S.R., Samdarshi, S.K.

Optimum size of non-convective zone for improved thermal performance of salt gradient solar pond, (2003) Solar Energy, 74 (5), pp. 429-436. Cited 9 times.

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