

Dr. Prashant V. Anbhule*Associate Professor*

Department of Chemistry

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❖ **Date of Birth:** May 5, 1977

❖ **Academic Background:**

Ph. D., Chemistry, Shivaji University, Kolhapur, MS, India, **2007.**

Title of Thesis: "Synthesis and QSAR study of some new pyrimidine derivatives."

SET, Qualified in first attempt in 2002.

M. Sc., Organic Chemistry in first class, Shivaji University, Kolhapur, MS, India, **2000.**

B. Sc., Chemistry in distinction, Shivaji University, Kolhapur, MS, India, **1998.**

❖ **Research Interest:** Synthetic Methodology, Heterocyclic Chemistry, Medicinal Chemistry, Collaborative work photo organic chemistry.

❖ **Teaching Experience:** 14 Yrs

❖ **Research Experience:** 10 Yrs.

❖ **Research projects completed:**

Sr. No.	Funding Agency	Title of the Project	Period (year)	Amount In Rs.	Status
					Completed/ in progress
1.	UGC, New Delhi	Synthesis, Characterization and Bioactivity of Nitrogen containing heterocycles	3 years (Feb. 2011- Jan. 2014)	8,48,111/-	Completed
2.	BRNS, Mumbai.	Synthesis, Characterization and fluorescence study of metal nanoparticles	3 years (feb 2011- Jan 2014)	22,14,000/-	Completed
3.	RGSTC, Mumbai.	Design and Synthesis of Some New Largazole Analogues as a Potential Anticancer Agents	Oct. 2016 to Sept. 2018	11,82,000/-	Sanctioned
4.	BRNS, Mumbai	Synthesis, Characterization and Photo physical Study of Heterocyclic Compounds	-----	25,00,000/-	submitted

❖ **Ph. D. / M. Phil. Guidance:**

Ph. D. = 04 (Awarded), **01** (submitted) **06** (working)

❖ **Research Guidance:**

1. No. of M. Phil awarded : **00**
2. No. of Ph. D. awarded : **04**
- 3 No. of Ph. D. working : **06**
4. No. of M. Sc. Projects completed : **75**

<i>Name of Student</i>	<i>Year of Registration</i>	<i>Awarded / Working</i>
Mr. Sambvekar Prakash	2009	2013 (awarded)
Mr. Aitawade Mayur	2009	2013 (awarded)
Mr. Patrawale Ajinkya	2011	2015 (awarded)
Mr. Valekar Navnath	2011	2015 (awarded)
Mr. Undare Santosh	2010	2016 (Final synopsis Submitted)
Mr. Jamale Dattatraya	2010	working
Mr. Vibhute Sunil	2011	working
Miss Warekar Poojali	2012	working
Miss Patil Kirti	2012	working
Miss Patil Priyanaka	2012	working
Mr. Awalekar Ramchandra	2015	working

❖ **Research Collaboration:**

- **Prof. G. B. Kolekar**, Dept. of Chemistry, Shivaji University, Kolhapur.
- **Dr. Shivadatta Prabhu**, Neurologist, Nielsen Neuroscience Ramdeveena B 21, Ulsoor Rd, Bangalore, 560025, K.S. India
- **Milind. S. Patole**, National Centre for Cell Science, Pune University, Pune, 411007, M.S., India
- **Dr. Aniket Sarkate**, Dept. of Technology, Dr. Babasaheb Ambedkar Marathawada University, Aurangabad.

❖ **Membership in Journal's Referee Panel:**

- ❖ **Elsevier** : European J. of Med. Chem.; Bioorganic and Medicinal Chemistry,
- ❖ **Springer** : Journal of Medicinal Chemistry Research,
- ❖ **Wiley** : Journal of Heterocyclic Chemistry,

❖ **Research Publications: (Total= 61; International: 46 National:15)**

Sr. No.	Title of paper	Journal with Volume No. and page No.	ISSN/ISBN No.	Whether peer reviewed/ Impact Factor, if any
60	Synthesis, Biological Evaluation and Molecular Docking Studies of Some Novel Indenospiro Derivatives as Anticancer Agents. Ajinkya A. Patravale, Anil H. Gore, Govind B. Kolekar, Madhukar B. Deshmukh, Prafulla B. Choudhari, Manish S. Bhatia, Shivadatta Prabhu, Mahendra D. Jamdhade, Milind. S. Patole and Prashant. V. Anbhule*	Journal of the Taiwan Institute of Chemical Engineers (Accepted manuscript) 2016		2.84
59	Uncatalyzed Four Component Synthesis of Pyrazolopyranopyrimidine Derivatives and Their Antituberculosis Activities K. Patil, P. Warekar, P. Patil, D. Jamale, N. Valekar, G. Kolekar, P.V. Anbhule.	Synthetic communications (Accepted manuscript) 2016	1532-2432	0.98
58	Selective synthesis of 10,11-dihydrochromeno[4,3- <i>b</i>]chromene-6,8(7 <i>H</i> ,9 <i>H</i>)-dione using copper oxide nanoparticles for potential inhibitors of β -ketoacyl-[acyl-carrier-protein] synthase III of <i>Mycobacterium tuberculosis</i> K.Patil, L. Walekar, S. Undare, G.Kolekar, P.Choudhari, M. Deshmukh and P.V. Anbhule	Ind. J. of Chemistry Sec-55B , 2016, 1151-1159.	ISSN: 0975-0983 (Online); 0376-4699 (Print)	0.471
57	An ecofriendly synthesis and biological evaluation of 4-(4-Nitrophenyl)-2-phenyl-1,4-dihydrobenzo[4,5]imidazo[1,2- <i>a</i>]pyrimidine-3-carboxylic acid ethyl ester derivatives as an anti-tubercular agents P. Warekar, P. Patil, K. Patil, D, Jamale, G. Kolekar, P.V. Anbhule.	Synthetic communications (Accepted manuscript) 2016	1532-2432	0.98
56	Synthesis, anti-inflammatory, ulcerogenic and cyclooxygenase	Bioorganic & Medicinal	ISSN: 0960-894X	2.42

	activities of indenopyrimidine derivatives Santosh S. Undare , Navanath J. Valekar , Ajinkya A. Patravale , Dattatraya K. Jamale , Sunil S. Vibhute , Laxman S. Walekar , Govind B. Kolekar , M. B. Deshmukh , Prashant V. Anbhule*	Chemistry Letters 26 , 814–818 2016		
55	A simple and green synthesis of highly functionalized quinoline derivatives using zinc oxide nanoparticles” N. Valekar, S. Undare, D. Jamale, S. Vibhute, G. Kolekar, M. Deshmukh and P. V. Anbhule	Indian J. of Chem. Sec.B Accepted Manuscript 2016 (In press)	ISSN: 0975-0983 (Online); 0376-4699 (Print)	0.471
54	Spectroscopic Investigation of Interaction Between Carbon Quantum Dots and D-Penicillamine Capped Gold Nanoparticles Laxman S. Walekar, Samadhan P. Pawar, Uttam R. Kondekar, Dattatray B. Gunjal, Prashant V. Anbhule , Shivajirao R. Patil, Govind B. Kolekar	J Fluoresc, 25:1085–1093 2015	ISSN: 1053-0509 (Print) 1573-4994 (Online)	1.601
53	Spectroscopic analysis on the binding interaction of biologically active pyrimidine derivative with bovine serum albumin Vishwas D. Suryawanshi, Laxman S. Walekar, Anil H. Gore, Prashant V. Anbhule , Govind B. Kolekar	Journal of Pharmaceutical Analysis 6, 56–63 2016	ISSN : 2095-1779	1.142
52	Surfactant stabilized AgNPs as a colorimetric probe for simple and selective detection of hypochlorite anion (ClO ⁻) in aqueous solution: Environmental analysis Laxman S. Walekar, Samadhan P. Pawar, Anil H. Gore, Vishwas D. Suryawanshi, Santosh S. Undare, Prashant V. Anbhule , Shivajirao R. Patil, Govind B. Kolekar *	Colloids and Surfaces A: Physicochem. Eng. Aspects 491, 78-85 2016	ISSN:0927-7757	2.752
51	Contemporary development in sequential Knoevenagel, Michael addition multicomponent reaction for the synthesis of 4-Aryl-5-oxo-5H-indeno [1,2-b]pyridine-3-carbonitrile Ajinkya A. Patravale, Anil H. Gore, Dipti R. Patil, Govind B. Kolekar, Madhukar B. Deshmukh, Prafulla B. Choudhari, Manish S. Bhatia, Prashant V. Anbhule	Research on Chemical Intermediates 42:2919–2935 2016	ISSN: 0922-6168 (print version) ISSN: 1568-5675 (electronic version)	1.833
50.	One -pot synthesis and in vivo biological evaluation of new	Research on Chemical	ISSN: 0922-6168 (print	1.833

	pyrimidine privileged scaffolds as potent anti-inflammatory agents Santosh S. Undare, Navnath J. Valekar, Ajinkya A. Patravale, Dattatraya K. Jamale, Sunil S. Vibhute, Laxman S. Valekar, Govind B. Kolekar, M.B. Deshmukh, Prashant V. Anbhule*	Intermediate 42:4373-4386 2015	version) ISSN: 1568-5675 (electronic version)	
49.	Surfactant and Temperature Effects in Tyrosine/Pyridoxine Hydrochloride Systems U.S. Mote, P.V. Anbhule , G. B. Kolekar*	J Surfactants and Detergents .19:553-558 2016	ISSN: 1097-3958 (print version) ISSN: 1558-9293 (electronic version)	1.853
48.	Turn-on fluorescence probe for selective and sensitive detection of d-penicillamine by CdS quantum dots in aqueous media: Application to pharmaceutical formulation Samadhan P. Pawar, Anil H. Gore, Laxman S. Walekar, Prashant V. Anbhule , Shivajirao R. Patil, Govind B. Kolekar	Sensors and Actuators B 209 911–918 2015	ISSN: 0924-4005	4.097
47.	Ultrasensitive, highly specific, colorimetric recognition of sulphide ions [s ²⁻] in aqueous media: Applications to environmental analysis. U. R. Kondekar, L. S. Walekar, A. H. Gore, P. V. Anbhule , S. H. Han, S. R. Patil and G. B. Kolekar*	Analytical Methods 7, (6), 2547-2553. 2015	1759-9679	1.821
46.	Uncatalyzed synthesis of Furo(2,3-d)pyrimidine-2,4(1H, 3H)-diones in water and their antimicrobial activity. P. P. Sambavekar, M. M. Aitwade, G. B. Kolekar, M. B. Deshmukh and P. V. Anbhule*	Ind. J. of Chemistry Sec-53B , 1454-1461. 2014	ISSN: 0975-0983 (Online); 0376-4699 (Print)	0.387
45.	Biological Activity of quinoline against Pulse beetle, <i>Callosobruchus chinensis</i> (L) P. V. Anbhule	J. Applied and Basic Sciences 2014	ISSN 1229-3302.	-
44.	Ultrasensitive, highly selective and naked eye colorimetric recognition of D-penicillamine in aqueous media by CTAB capped AgNPs : applications to pharmaceutical and biomedical analysis Laxman S. Walekar, Uttam R. Kondekar, Anil Hanumant Gore, Samadhan Pawar, V Sudarsan, Prashant Vikramrao Anbhule , Shivajirao Raghunath Patil and Govind B. Kolekar	RSC Advances , 4, (102), 58481-58488 2014	2046-2069	3.708

43.	Trouble-free Multicomponent Way for Combinatorial Synthesis of 2-Amino-4-Phenyl-5- <i>H</i> -Indeno[1, 2- <i>d</i>]Pyrimidine-5-One and their Screening Against Cancer Cell Lines. Ajinkya A. Patravale, Anil H. Gore, Dipti R. Patil, Govind B. Kolekar, Madhukar B. Deshmukh and Prashant. V. Anbhule*	Ind. Eng. Chem. Res. 53(42), 16568-16578. 2014	0888-5885	2.235
42.	An efficient and modified Biginelli type synthesis of 3,4-dihydro-1 <i>H</i> -indeno[1,2- <i>d</i>]pyrimidine-2,5-dione using phosphorus pentoxide. P.P Warekar, M. B. Deshmukh, G. B. Kolekar and P. V. Anbhule	Synthetic Communication , 44, 24, 3594-3601 2014	1532-2432	0.984
41.	Study of energy transfer between riboflavin (Bit. B) and silver nanoparticles (AgNPs) V. V. Mokashi, L. S. Walekar, P. V. Anbhule , S. H. Lee, S. R. Patil and G. B. Kolekar*,	J. Nanoparticle Research , 1(6), 2014.	1388-0764	2.278
40.	Development and optimization of multivariate RP-UPLC method for determination of telmisartan and its related substances by applying a two level design approach: Application to quality control study. N. H. Dhekale, K. H. Bindu, K. Y. K. Kumar, A. H. Gore, P. V. Anbhule and G. B. Kolekar*,	Analytical Methods , 2014 (Article in Press).	1759-9660	1.938
39.	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 A.H .Gore, M.B.Kale, P.V. Anbhule , S.R.Patil, G. B. Kolekar*,	RSC Advances , 4 (2) 683-692, 2014.	2046-2069	3.708
38.	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 , 52, 1669-1676. 2014	1943-5193	0.873
37.	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 ^b & P V Anbhule*	Indian J. of Chem.-Sec.-B Org. and Med. Chem. 53B,754-762. 2014	0376-4699	0.648
36.	<i>In-silico, in-vitro</i> antibacterial activity	Indian J. of	0376-4699	0.648

	and toxicity profile of new quinoline derivatives P P Sambavekar, M M Aitawade, D R Patil, G B Kolekar, M B Deshmukh ^b & P V Anbhule*	Chem.-Sec.-B Org. and Med. Chem. 1521-1526. 2013		
35.	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, LS Walekar, AH Gore, PV Anbhule , V Sudarsan, SR Patil, GB Kolekar	Anal. Methods , 5, 5501-5507. 2013	1759-9660	1.85
34.	A novel pyrimidine derivative as a fluorescent chemosensor for highly selective detection of Aluminum (III) in aqueous media, Suryawanshi, V.D., Gore, A.H., Dongare, P.R., Anbhule, P.V. , Patil, S.R., Kolekar, G.B.	<i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 114 , 681-686, 2013	1386-1425	2.12
33.	(2Z)-3-(2,4-Dichlorophenyl)-3-hydroxy-N-phenylprop-2-enethioamide, Kour, D., Singh, K., Aitawade, M.M., Deshmukh, M.B., Anbhule, P.V. , Gupta, V.K., Kant, R.	<i>Acta Crystallographica Section E: Structure Reports Online</i> 69 (7), 1173-1174, 2013.	1600-5368.	0.4
32.	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, VD Suryawanshi, AH Gore, LS Walekar, PV Anbhule , SR Patil, GB Kolekar	Journal of Molecular Liquids , 184, 4-9, 2013	0167-7322	1.68
31.	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 & Photobiology-B 118 (2013) 1-8.	1011-1344	2.8
30.	Direct detection of sulfide ions [S ²⁻] in aqueous media based on fluorescence quenching of functionalized CdS QDs at trace levels: analytical applications to environmental analysis Anil H. Gore, Sandip B. Vatre, Prashant V. Anbhule , Sung-Hwan Han, Shivajirao R. Patil and Govind B.	Analyst , 138 (5), 1329-1333 2013.	2249-2909	3.91

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29.	(2E)-3-(Dimethylamino)-1-(4-fluorophenyl)prop-2-en-1-one. Rajni Kant, Vivek K. Gupta, Kamini Kapoor, Madhukar B. Deshmukh, D. R. Patil and P. V. Anbhule	Acta Cryst. , 68, 3110, 2012	1600-5368.	0.4
28.	Phosphorus pentoxide: As an efficient catalyst for Friedländer synthesis of quinolines. Dipti R. Patil, Mayur M. Aitawade, Santosh S. Undare, Govind B. Kolekar, Madhukar b. Deshmukh & Prashant V. Anbhule.	J. of Basic & Applied Sciences , 2012	2229-3302	Peer Reviewed
27.	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. Suryawanshi, V.D., Anbhule, P.V. , Gore, A.H., Patil, S.R., Kolekar, G.B.	Ind. Eng. Chem. Res. , 51(1), 95-102, 2012.	0088-5885	2.24
26.	An efficient synthesis of bis (indolyl) methanes using catalytic amount of polystyrenesulphonic acid in water Sankpal, S. A., Deshmukh, M. B., Kolekar, G.B., Anbhule, P. V*	J. of Basic & Applied Sciences , 5-7, 2012	2229-3302	Peer Reviewed
25.	Development and validation of LC method for simultaneous estimation of chlorzoxazone, paracetamol and nemesulide in pharmaceutical tablets. Tele, S.S., Anbhule, P.V. , patil, S. R., Kolekar, G. B.	J. of Basic & Applied Sciences , 61-63, 2012	2229-3302	Peer Reviewed
24.	An efficient synthesis of bis (indolyl) methanes under solvent free condition using Silica supported Chloro acetic Acid as reusable catalyst. D. R. Chandam, M. B. Deshmukh, A .G. Mulik, P. P. Patil, D. R. Patil, S. D. Jagadale, P. V. Anbhule , S. A. Sankpal.	Derpharma letter 4 (1), 54- 60, 2012	0975-413X	Peer Reviewed
23.	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 , 4, (10) , 5217-5226, 2012	1944-8252	4.52

22.	An efficient, greener synthesis of 2-aryl-1-arylmethyl-1H-benzimidazoles using polystyrene sulfonic acid as a catalyst Patil, P.P., Deshmukh, M.B., Mulik, A.G., Chandam, D.R., Patil, D.R., Jagdale, S.D., Anbhule, P.V. and Sankpal, S.A.	Der Pharma Chemica 3 (6) 599-605, 2011	0975-413X	Peer Reviewed Indexed in Scopus.
21.	Eco-friendly and efficient synthesis of benzoxazines and benzothiazines at an ambient temperature without catalyst and their anti-fungal and anti-bacterial activity. Patil, D.R., Salunkhe, S.M., Aitawade, M. M., Deshmukh, M.B., Kolekar, G.B. and Anbhule, P.V.	Derpharma Chemica , 3 (1), 207-214, 2011.	0975-413X	Peer Reviewed Indexed in Scopus.
20.	Silica sulfuric acid: Recyclable and efficient catalyst for the 2-aryl benzothiazoles. Patil, D.R., Salunkhe, S.M., Sambavekar, P.P., Deshmukh, M.B., Kolekar, G.B., Anbhule, P.V.* .	Derpharma Chemica , 3 (1), 189-193, 2011.	0975-413X	Peer Reviewed Indexed in Scopus.
19.	A Simple Synthesis of Trisubstituted Quinolines through Transesterification. Patil, D.R., Deshmukh, M.B., Salunkhe, S.M., Anbhule, P.V.	J. Hetero. Chem. 48 (6), 1342-1346, 2011.	1943-5193	1.22
18.	An Efficient Synthesis of 2,3,4-Trisubstituted Quinolines through Alkynylation-Cyclization at Ambient Temperature. Patil, D.R., Salunkhe, S. M., Deshmukh, M. B., Anbhule, P.V.* .	J. Hetero. Chem. 48 (6), 1144-1448, 2011.	1943-5193	1.22
17.	A novel method for ranitidine hydrochloride determination in aqueous solution based on fluorescence quenching of fictionalized CdS, QDs through photo induced charge transfer process: Spectroscopic approach. Gore, A.H. Mote, U.S. Tele, S.S. Anbhule P. V. Chandra Rath, M. Patil, S.R. Kolekar, G.B.	Analyst , 136 (12), 2606-2612, 2011.	2249-2909	3.91
16.	Fluorimetric study on the interaction between Norfloxacin and Proflavine Hemisulphate More, V.R., Anbhule, P.V. , Lee, S.H., Patil, S.R., Kolekar, G.B.	Journal of Fluorescence , 21(4), 1789-1796, 2011	1053-0509	2.10
15.	Synthesis and antibacterial evaluation of (3,5-dimethyl-1H-pyrazol-4-yl)-phenyl diazenes. S. A. Sankpal, M.B. Deshmukh, P.V. Anbhule , D. K. Salunkhe, K. N.	J. Chem. Pharm. Research , 2(5),	0975-7384	Peer Reviewed Indexed in Scopus.

	Alsundkar, P. P. Patil, D. R. Chandam, S. D. Jagadale, A. G Mulik, S.S Rokade	574-579, 2010.		
14.	Gallium (III) Chloride Catalyzed Synthesis of Polyhydroquinoline 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. Patil, D. R., Deshmukh, M. B., Salunkhe, S. M., Salunkhe D. K., Kolekar G. B. and Anbhule, P. V.	Derpharma Chemica , 2(6), 342-348, 2010.	0975-413X	Peer Reviewed Indexed in Scopus.
13.	One Step Synthesis of 6-Amino-5-cyano-4-phenyl-2-mercapto pyrimidine Using Phosphorus Pentoxide. Patil, D.R., Salunkhe, S.M., Deshmukh, M.B., Anbhule, P.V.* .	The Open Catalysis Journal , 3, 83-86, 2010.	1876-214X	Peer Reviewed Indexed in Scopus.
12.	Microwave assisted synthesis of some new 2-substituted 1, 4- benzothiazine derivatives. Deshmukh, M.B., Salunkhe, S.M., Anbhule, P.V. , Patil, D.R.	J. Indian chemical society , 87, 1227-1230, 2010.	0019-4522	0.38
11.	A novel and efficient one step synthesis of 2-amino-5-cyano-6-hydroxy-4-arylpyrimidines and their anti bacterial activity. Deshmukh, M.B., Salunkhe, S.M., Patil, D.R., Anbhule, P.V.* .	Euro .J. of Med. Chemistry , 44, 2651-2654, 2009	0223-5234	3.34
10.	Synthesis and photophysical studies on 5-ethoxycarbonyl-4-cinnamyl-6-methyl-3,4-dihydropyrimidine-2(1H)-one in various solvents. Lad, S.N., Mote, U.S., Bhattar, S.L., Anbhule P.V. , Patil, S.R., Kolekar, G.B.	Bulletin of the Chemical Society of Ethiopia , 23 (2), pp. 231-238, 2009	1726-801X	0.21
9.	Synthesis, X-ray diffraction and optical spectral study of benzo-18-crown-6 containing monoazo dyes. Deshmukh, M.B., Alasundkar, K.N., Salunkhe, S.M., Salunkhe, D.K., Sankpal, S.A., Patil, D.R., Anbhule, P.V.	Indian Journal of Chem.Sec.-B , 48(5), 737-740, 2009.	0975-0983	0.648
8.	Synthesis and antimicrobial activity of pyridopyrazole and pyrazolo[3,4-d]dihydrothiazole. Deshmukh, M.B., Deshmukh, S.A., Jagtap, S.S., Suryavanshi, A.W., Jadhav, S.D., Anbhule, P. V.	J. Indian Chemical Society , 86 (6), pp. 613-616, 2009.	0019-452 2	0.382
7.	Synthesis of amino acid derivatives of 2-mercaptobenzothiazole. Deshmukh, M.B., Jagtap, S.S.,	Journal of Indian Chemical Society	0019-4522	0.382

	Deshmukh, S.A., Jadhav, S.D., Anbhule, P.V.	85(3), 290-292, 2008.		
6.	Synthesis of dibenzo- 18 –crown-6 ether containing pyrimidine derivatives. Deshmukh, M.B., Alasundkar, K.N., Salunkhe, S.M., Salunkhe, D.K., Sankpal, S.A., Patil, D.R., Anbhule, P.V.	Indian J. of Chem.-Sec.-B Org. and Med. Chem. 47B, 1915-1917, 2008.	0376-4699	0.648
5.	A novel and environmental friendly, one-step synthesis of 2,6-Diamino-4- phenyl pyrimidine-5-carbonitrile using potassium carbonate in water. Deshmukh, M.B., Anbhule, P.V*., Jadhav, S.D., Jagtap, S.S., Patil, D.R., Salunkhe, S.M., Sankpal, S.A.	Indian J. of Chem.-Sec.-B Org. and Med. Chem. 47(5), 792-795, 2008.	0376-4699	0.648
4.	Synthesis and biological activity of some benzothiazolyl thiazolidinones. Deshmukh, M.B., Jagtap, S.S., Deshmukh, S.A., Jadhav, S.D., Anbhule, P.V., Suryawanshi, A.W.	Journal of Indian Chemical Society, 84 (5), pp. 498-500, 2007.	0019-4522	0.382
3.	An efficient, simple, one pot synthesis of dihydropyrimidine-2(1H)-ones using phosphorus pentoxide. Deshmukh, M.B., Anbhule, P.V., Jadhav, S.D., Mali, A.R., Jagtap, S.S., Deshmukh, S.A.	Indian J. of Chem.-Sec.-B Org. and Med. Chem. 46(9), 1545-1548, 2007.	0376-4699	0.648
2.	A remarkable catalytic activity of [Cu (NCMe) ₂ (PPh ₃) ₂]BF ₄ in conjugate addition of organomanganese reagents to α,β -unsaturated ester, enone and allyl chloride. Deshmukh, M.B., Jadhav, S., Anbhule, P.V., Mali, A.R., Suryawanshi, A.W.	Journal of Chemical Research. 4, 248-250, 2006.	1747-5198	0.550
1.	Alkylation of unsaturated 11ldehydes and allylic bisacetate with organomanganese reagents in presence of tetrakis acetonitrile copper (I) tetrafluoroborate. Deshmukh, M.B., Jadhav, S.D., Mali, A.R., Suryawanshi, A.W., Anbhule, P.V., Jagtap, S.S., Deshmukh, S.A.	Synthetic Communications. 35(23), 2967-2971, 2005.	0039-7911	1.0

❖ **Research Paper Recognitions:**

1. **Most cited Article:** published in *European J. of Medicinal Chemistry*, 44, (2009)2651-2654.
2. **Appreciation from American Chemical Society for valuable contribution in research in Feb. 2013.**

❖ **Journal Editor:**

Member Editorial Board, **Open Catalysis Journal**,

❖ **Organization of Conference / Symposium:**

- a.) **Organizing Secretary:** Celebration of International Year of Chemistry-2011.
- b.) **Organizing Secretary:** A National Seminar on Recent Advances in Synthetic Chemistry and Nanomaterials (RASCN-2012) held during 21st and 22nd Jan. 2012.
- c.) **Treasurer:** 7th University-Industry Council symposium during 5th and 6th August 2010.
- d.) Celebration of **National Science Day** through Science exhibition, quiz competition and popular lectures as a part of International year of Chemistry-2011 on 28th Feb. 2011 to 2nd April 2011.
- e.) Celebration of **International day of Helium** on 18th August 2011 as a part of International year of chemistry-2011.
- f.) **“Two-day Workshop on Laboratory Safety for Laboratory Assistant”** arranged on 23rd and 24th August 2011 as a part of IYC-2011.
- g.) **“Training cum One Day Workshop for College Teachers”** on 26th August 2011 as a part of IYC-2011.
- h.) **Co-ordinator:** “Two day Workshop on Career Opportunity in Respective Discipline” Conducted by Industrial Chemistry Department on 3rd and 4th Sep. 2012.
- i.) **Organizing Secretary:** A National Seminar on “Current Research in Chemical Sciences” (CRCS-2013) held during 21st and 22nd Jan. 2013.
- j.) **Organizing Secretary:** National Seminar on “New Trends in Pest Management” (NTPM-2014) held on 31st January 2014.
- k.) **Organizing Secretary and Treasurer:** National conference on “Frontiers in Agrochemicals and Pest Management” (FAPM-2014) held during 30th and 31st January 2015.
- l.) **Co-ordinator:** National Science Day-2015 held during 24th to 28th Feb. 2015
- m.) **Organizing Secretary:** National conference on “Recent Advances in Integrated Pest Management” (RAIPM-2014) held during 1st and 2nd March 2016.

❖ **Administrative/Academic Responsibilities:**

1. **Co-ordinator:** “SET Examination” for Shivaji University, Kolhapur.
2. **Rector in Charge:** Dr. Appasaheb Pawar Vidyarthi Bhavan, Shivaji University, Kolhapur since 2011.
3. **NSS Programme Officer:** PG unit of Shivaji University, Kolhapur (2011-2015).
4. **Member,** Ad-hoc Board in Industrial Chemistry, Shivaji University, Kolhapur, since 2010.
5. **Member,** Departmental Research Committee, Department of Chemistry, and Agrochemicals and Pest Management (up to March 2016), Shivaji University, Kolhapur.
6. **Chairman / Member,** University Celebration Committees as Golden Jubilee, Workshops, National Youth Festival, Sports Events, Disaster management, National Management, Convocation etc. Shivaji University, Kolhapur as LIC, etc.
7. **Member** of various University Level Committees constituted by Vice Chancellor and Director, BCUD, Shivaji University, Kolhapur as LIC, Avishakar etc.

❖ **Conference/Symposia Presentations / Papers Accepted**

National: 26 International: 10

Sr. No.	Title of the paper presented	Title of Conference / Seminar etc	Organized by	Whether International /National / State/ Regional/ College or university level
1.	Insecticidal activity of 2,3,4-trisubstituted Quinolines derivatives.	National symposium on Recent Trends In Life Sciences. (RTLS-2011)	Dept. of Biochemistry, Shivaji University, Kolhapur. 4-5th March-2011.	National
2.	Synthesis and Biological Activity of Some New Thiazolo-Pyrimidine Derivatives.	National Conference on Research in Chemical Science	Milliya arts, science & management science college, Beed. 1-2nd Feb. 2011.	National
3.	Synthesis and Biological Activity of Some New pyrazolo pyrimidine Derivatives.	Two day National Seminar on Nanomaterials and its Application	Walchand college of arts & science, solapur. 28-29th January-2011.	National
4.	Synthesis and Biological Activity of Some New Triazolo Condensed Pyrimidine	National symposium on Advances in Synthetic Methodologies and New	Dept. of Chemistry, Shivaji University, Kolhapur	National

	Derivatives.	Materials.	21-22nd January-2011.	
5.	Gallium (III) chloride catalyzed Multicomponent synthesis of PHQ at ambient temp.	National Conference on Recent Trends in Chemistry.	Yashantrao chavan institute of science satara. 14-15th Oct.2010	National
6.	One Step Synthesis of 6-Amino-5-cyano-4-phenyl-2-mercapto pyrimidine Using Phosphorus Pentoxide.”	National Conference on Advanced Synthesis and Functional Materials.	Dept. of Chemistry, Shivaji University, Kolhapur. 23-24th Dec. 2009.	National
7.	Phosphorus pentoxide: An efficient catalyst for the friedlander synthesis of quinolines.	National Conference on New Materials for Industrial Applications 2008.	Dept. of Chemistry, Shivaji University, Kolhapur 1-2nd Feb. 2008.	National
8.	Simple, solvent free synthesis of 4-oxo-2-thioxohexahydropyrimidines using TMA under microwave irradiation.	National Conference On Chemistry In Drug Industry	National institute of technology warngal (A.P) 7-8th Oct. 2005.	National
9.	Synthesis, Insecticidal evaluation, computer added prediction for Biological activity spectrum and toxicological properties of benzo fused N,N-, N,O-, N,S-containing heterocycles.	National Seminar on Recent Advances in Synthetic Chemistry and Nanomaterials (RASCN, 2012).	Dept. of Chemistry, Shivaji University, Kolhapur 21-22 Jan 2012.	National
10.	Benzothiazine & Benzoaxines derivatives: A Search for Antituberculosis & Anticancer.	National Seminar on Specialized aspects of Organic Chemistry.	Karmaveer Bhaurao Patil College, Vashi, Maharashtra held on 18 th & 19 th December-2012.	National
11.	Computer aided Toxicological study of some Benzothiazine and Benzoaxines moieties	National Conference on Emerging Technologies for Sustainable Developments.	Dept. of Technology, Shivaji University, Kolhapur held on 27th and 28th, Dec.-2012.	National
12.	(2Z)-3-(2,4-dichlorophenyl)-3-hydroxy-N-Phenylprop-2-enethioamide.	National Conference on Physics of Material and Material based Device Fabrication.	Department of Physics, Shivaji University, Kolhapur held on 4th and 5th, January-2013.	National
13.	“Application of ortho-chloro- β -aroylthioamides in crystal probe, synthesis of tricyclic thiochromeno [2,3-b] pyridine derivatives with their biological activities”	National Conference on Current Research in Chemical Science,	Department of Chemistry, Shivaji University, Kolhapur held during 22 nd and 23 rd January-2013.	National
14.	Antimicrobial & Insecticidal activity of thiochromeno derivatives”.	National Conference on Challenges and Opportunities in Life Science.	Dept. of Biochemistry, Microbiology, Biotechnology, Shivaji University, Kolhapur, held on 8 th & 9 th February, 2013.	National
	A spectral deciphering the	DAE-BRNS 11th	Bhabha Atomic	

15.	perturbation of human serum albumin by antibacterial, 2-amino-6-hydroxy-4-(4-hydroxyphenyl)-pyrimidine-5-carbonitrile: insights from spectroscopic investigation.	biennial trombay symposium on Radiation & photochemistry (TSRP-2012)	Research Centre, Anushaktinagar, Mumbai, India 4-7th Jan-2012.	International
16.	Synthesis and anti-bacterial activity of some new pyrazoloquinoline derivatives.	International Conference on Nanomaterial's and Applications-2008.	Dept. of Chemistry, Shivaji University, Kolhapur 9-11december 2009.	International
17.	New purine derivatives of potential anti-cancer activity.	International Symposium on Drug Discovery and Process Research	Dept. of Chemistry, Shivaji University, Kolhapur 23-25 Jan 2003	International
18.	In silico LAZAR: The State of the Art with Approach for Predictive Toxicology.	International Conference on Sustainable Water Resource Development and Management.	Dept. of Environmental Science, Shivaji University, Kolhapur held on 20 th and 21 th , December-2012.	International
19.	Synthesis and anti-bacterial activity of some new pyrazoloquinoline derivatives.	International Conference on Nanomaterial's and Applications-2009	Dept. of Chemistry, Shivaji University, Kolhapur 9 th to 11 th Dec. 2009.	International
20.	Participated	"Udyoglaxmi" International Marketing Business Conference-2011	Nilima Arts Pune held at Shivaji University, Kolhapur.	International
21.	In silico LAZAR: The State of the Art with Approach for Predictive Toxicology.	International Conference on Sustainable Water Resource Development and Management.	Dept. of Environmental Science, Shivaji University, Kolhapur held on 20 th and 21 th , December-2012.	International
22.	Organizing Committee Member	National Science Day-2014	Dept. of Chemistry, Shivaji University, Kolhapur held on 28 Feb 2014	National
23.	Participated and presented poster: Substituent effect on the Photophysical Properties of some novel Pyrimidine Derivatives.	Trombay Symposium on Radiation & Photochemistry	DAE-BRNS 12 th Biennial Trombay Symposium on Radiation and Photochemistry, 6-9 Jan. 2014.	International
24.	Uncatalyzed synthesis of furo(2,3-D)pyrimidine-2,4(1H, 3H)-Diones in water and their anti-microbial activity.	Frontiers in Chemical and Biological Sciences, (FCBS-2013)	PDVP, College, Tasgaon, Dist. Sangli. During 23-24 Sept. 2013	National
25.	In silico biological evaluations of heterocyclic compounds: PSSA catalysed three	Drug Designing and Discovery.	Department of Chemistry, Devachand college,	National

	component one pot condensation reaction: An efficient, water mediated green synthesis of pyrimidine derivatives		Nipani, held on 6th September- 7 th Sept 2013.	
26.	Multicomponent reaction	Refresher Course.	Dr. B. A. M. U. Aurangabad	National
27.	Chaired Session	Emerging Horizons in Biochemical Sciences and Nanomaterials	Shri Shivaji College, Barshi on 28-30 th Nov. 2013.	International
28.	Chaired Session	Current Trends in Chemical and Nanosciences,	Dept. of Chemistry, SUK. 17-18 Jan. 2014	National
29.	Chaired Session	New Trends in pest Management	Dept. of AGPM, SUK., 31 st Jan. 2014	National
30.	UV Spectroscopy	Special Winter Program in Chemistry	Dept. of Chemistry, SUK. 1 st December 2013	National
31.	Presented paper: Biological activity of quinoline against Pulse beetle, <i>Callosobruchus chinensis</i> (L)	One-Day National Conference on "Frontiers in Chemical Sciences"	Solapur University 30 June 2014	National
32.	Presented Paper: Three components DABCO catalyzed eco-friendly one pot synthesis of Diaza-benzo[a] Anthracene-6, 9, 11-trione Derivatives.	International Conference on Green Chemistry: catalysis, Energy and Environment,	Dept. Of Chemistry, Goa University, Goa. (ICGC-2015)22-24 January 2015	International
33.	Chaired Session	National Conference on Frontiers in Agrochemicals and Pest Management,	Dept. Of AGPM, Shivaji University, Kolhapur. Held on 30-31 January 2015	National
34.	Chaired Session	National Seminar on Green Chemistry and Crop Protection	Dept. Of Chemistry, Dahiwadi College, Dahiwadi, 26 th March 2015	National
35.	Chaired Session	National seminar on Recent Advances in Integrated Pest Management	Dept. Of AGPM, Shivaji University, Kolhapur held on 1 st and 2 nd March 2016	National
36.	Multicomponent Reactions	Refresher Course	Dept. Of Chem. Shivaji University, Kolhapur	National

❖ **Reference:**

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