

## Teacher Profile



1. Personal Details:

Name : **Dr. ANBHULE PRASHANT VIKRAMRAO.**  
Designation : **Associate Professor in Organic Chemistry**  
Date of Birth : 02-05-1977  
E-mail Address : [pvanbhule@gmail.com/](mailto:pvanbhule@gmail.com)  
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2. Academic Details:

Qualification : M.Sc. Ph.D SET  
Specialization : Organic Chemistry  
Position : Associate Professor

3. Research Specialization : Heterocyclic Chemistry.

4. Teaching Experience : Total  
U.G.: --  
PG : 12 years

5. Research Guidance : P.G. Programs:  
M.Sc. Projects: 25 students  
M.Phil. : -- students  
Ph. D. : 02 students  
Ph. D. : 08 working

6. Research Publications : National : 13  
International ; 28

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	Synthesis, Characterization and Bioactivity of Nitrogen containing heterocycles	UGC (PI)	Feb. 2011 - Jan. 2014	Rs. 5,41,800/-	Completed
2	Synthesis, Characterization and fluorescence study of metal nanoparticles	BRNS (Co-PI)	feb 2011- Jan 2014	Rs. 22,14,000/-	Completed d.

9. Membership/Other Charges: ----

10. Honors /Rewards : Certificate of Appreciation from ACS publications for Valuable Contribution in Feb. 2011.

11. List of Publications:

Sr. No.	Title of paper	Journal with Volume No. and page No.	ISSN/IS BN No.	Whether peer reviewed/ Impact Factor, if any
41.	<p>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.</p> <p>Nitin H. Dhekale, K. Hima Bindu, K. Y. Kirankumar, Anil H. Gore, Prashant V. Anbhule and Govind B. Kolekar DOI: 10.1039/c3ay42260g, 29th April 2014, (Accepted Manuscript)</p>	<b>Analytical Methods,</b> (In Press 2014)	1759-9660	1.85
40.	<p>A novel FRET probe for selective and sensitive determination of vitamin B<sub>12</sub> functionalized CdS QDs in aqueous media : applications to pharmaceutical and biomedical analysis</p> <p>Anil H. Gore, Meghanth B. Kale, Prashant V. Anbhule, Shivajirao R. Patil and Govind B. Kolekar*</p>	<b>RSC Advances</b> 2014, (4), 683-692	2046-2069	2.56
39.	<p>An Efficient and Modified Biginelli type Synthesis of 3,4-dihydro-1H-indeno [1,2-d] pyrimidine-2,5-dione Using Phosphorus Pentoxide</p> <p>Poojali P Warekar, Govind B. Kolekar, Madhukar B Deshmukh, Prashant V Anbhule*</p>	<b>Synthetic Communications</b> (In Press 2014)	0039-7911	1.06
38.	<p>Sequence Selective Michael Addition for Synthesis of Indeno-Pyridine and Indeno-Pyran Derivatives in One-Pot Reaction Using CuO Nanoparticles in Water</p> <p>Navanath J. Valekar, Prasad P. Patil, Anil H. Gore, Govind B. Kolekar, Madhukar B. Deshmukh and Prashant V. Anbhule*</p>	<b>J. Heterocyclic Chemistry</b> (In Press 2014)	1943-5193	1.22
37.	<p>Evaluation of insecticidal activity of some benzofused heterocycles against different insect pests.</p> <p>M M Aitawade, P P Sambavekar, , D R Patil, G B Kolekar, M B Deshmukh<sup>b</sup> &amp; P V Anbhule*</p>	<b>Indian J. of Chem.-Sec.-B Org. and Med. Chem.</b> (In Press 2013)	0376-4699	0.648
36.	<p><i>In-silico, in-vitro</i> antibacterial activity and toxicity profile of new quinoline derivatives</p> <p>P P Sambavekar, M M Aitawade, D R Patil, G B Kolekar, M B Deshmukh<sup>b</sup> &amp; P V Anbhule*</p>	<b>Indian J. of Chem.-Sec.-B Org. and Med. Chem.</b> (In Press 2013)	0376-4699	0.648
35.	<p>A novel colorimetric probe for highly selective recognition of Hg<sup>2+</sup> ions in aqueous media based on inducing aggregation of CPB capped AgNPs: Accelerating the direct detection for environmental</p>	<b>Analytical Methods,</b> 2013, 5, 5501-5507	1759-9660	1.85

	analysis, L. S. Walekar, A. H. Gore, P. V. Anbhule, V. Sudarshan, S. R. Patil and G. B. Kolekar.			
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. , P. V. Anbhule, S. R. Patil and G. B. Kolekar	<b>Spectrochimica Acta-Part A: Molecular and Biomolecular Spectroscopy</b> , 114, 681-686, 2013.	1386-1425	2.00
33.	(2Z)-3-(2,4-Dichlorophenyl)-3-hydroxy-N-phenylprop-2-enethiamide. Kour D., Singh K., Aitawade M. M., Deshmukh M. B., Anbhule P. V., Gupta V. K. and Kant R.	<b>Acta Crystallographica Section E: Structure Reports Online</b> : 69 (7) , pp. o1173-o1174, 2013.	1600-5368.	0.4
32.	Solvatochromic Fluorescence behavior of 2-2-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	<b>Journal of Molecular Liquids</b> , 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.	<b>Journal of photochemistry &amp; Photobiology-B</b> 118 (2013) 1-8.	1011-1344	2.8
30.	Direct detection of sulfide ions [S <sup>2-</sup> ] 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, <b>Prashant V. Anbhule</b> , Sung-Hwan Han, Shivajirao R. Patil and Govind B. Kolekar	<b>Analyst</b> , 138 (5) , pp. 1329-1333 2013.	2249-2909	3.91
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 <b>P. V. Anbhule</b>	<b>Acta Crystallographica Section E: Structure Reports Online</b> : E68, o3110, 2012	1600-5368.	<b>0.4</b>
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.	<b>J. of Basic &amp; Applied Sciences</b> , 2012	2229-3302	Peer Reviewed
27.	Spectroscopic Investigation on the Interaction of Pyrimidine Derivative, 2-Amino-6-hydroxy-4-(3,4dimethoxyphenyl)-pyrimidine-5-carbonitrile with Human Serum Albumin : Mechanistic and Conformational Study.  Suryawanshi, V.D., <b>Anbhule, P.V.</b> , Gore, A.H., Patil, S.R., Kolekar, G.B.	<b>Ind. Eng. Chem. Res.</b> , 51(1), 95-102, 2012.	0088-5885	2.24
26.	An efficient synthesis of bis (indolyl) methanes using catalytic amount of polystyrenesulphonic acid in	<b>J. of Basic &amp; Applied Sciences</b> , 5-7, 2012	2229-3302	Peer Reviewed

	water Sankpal, S. A., Deshmukh, M. B., Kolekar, G.B., <b>Anbhule, P. V*</b>			d
25.	Development and validation of LC method for simultaneous estimation of chlorzoxazone, paracetamol and nemesulide in pharmaceutical tablets. Tele, S.S., <b>Anbhule, P.V.</b> , patil, S. R., Kolekar, G. B.	<b>J. of Basic &amp; Applied Sciences</b> , 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, <b>P. V. Anbhule</b> , S. A. Sankpal.	<b>Derpharma letter</b> 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, <b>P. V. Anbhule</b> , S. R. Patil, & G. B. Kolekar.	<b>ACS Applied Materials &amp; Interfaces</b> , 4, (10) , pp. 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., <b>Anbhule, P.V.</b> and Sankpal, S.A.	<b>Der Pharma Chemica 3</b> (6) pp. 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 <b>Anbhule, P.V.</b>	<b>Derpharma Chemica</b> , 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., <b>Anbhule, P.V*</b> .	<b>Derpharma Chemica</b> , 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., <b>Anbhule, P.V.</b>	<b>J. Heterocyclic Chemistry</b> , 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., <b>Anbhule, P.V*</b> .	<b>J.Heterocyclic Chemistry</b> , 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 induce d charge transfer process: Spectroscopic approach. Gore, A.H. Mote, U.S. Tele, S.S. <b>Anbhule P. V.</b> Chandra Rath, M. Patil, S.R. Kolekar, G.B.	<b>Analyst</b> , 136(12), 2606-2612, 2011.	2249-2909	3.91

16.	Fluorimetric study on the interaction between Norfloxacin and Proflavine Hemisulphate More, V.R., <b>Anbhule, P.V.</b> , Lee, S.H., Patil, S.R., Kolekar, G.B.	<b>Journal of Fluorescence</b> , 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, <b>P.V. Anbhule</b> , D. K. Salunkhe, K. N. Alsunekar, P. P. Patil, D. R. Chandam, S. D. Jagadale, A. G. Mulik, S.S. Rokade	<b>J. Chem. Pharm. Research</b> , 2(5), 574-579, 2010.	0975-7384	Peer Reviewed Indexed in Scopus.
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 <b>Anbhule, P. V.</b>	<b>Derpharma Chemica</b> , 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., <b>Anbhule, P.V.*</b> .	<b>The Open Catalysis Journal</b> , 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., <b>Anbhule, P.V.</b> , Patil, D.R.	<b>J.Indian chemical society</b> , 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 antibacterial activity.  Deshmukh, M.B., Salunkhe, S.M., Patil, D.R., <b>Anbhule, P.V.*</b> .	<b>Euro .J. of Med. Chemistry</b> , 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., <b>Anbhule P.V.</b> , Patil, S.R., Kolekar, G.B.	<b>Bulletin of the Chemical Society of Ethiopia</b> , 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., <b>Anbhule, P. V.</b>	<b>Indian Journal of Chem.Sec.-B</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., <b>Anbhule, P. V.</b>	<b>J. Indian Chemical Society</b> , 86 (6), pp. 613-616, 2009.	0019-4522 2	0.382
7.	Synthesis of amino acid derivatives of 2-mercaptobenzothiazole. Deshmukh, M.B., Jagtap, S.S., Deshmukh, S.A., Jadhav, S.D., <b>Anbhule, P.V.</b>	<b>Journal of Indian Chemical Society</b> 85(3), 290-292, 2008.	0019-4522	0.382
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.	<b>Indian J. of Chem.-Sec.-B Org. and Med. Chem.</b> 47B, 1915-1917, 2008.	0376-4699	0.648
5.	A novel and environmental friendly, one-step	<b>Indian J. of Chem.-Sec.-</b>	0376-	0.648

	synthesis of 2,6-Diamino-4-phenyl pyrimidine-5-carbonitrile using potassium carbonate in water.  Deshmukh, M.B., <b>Anbhule, P.V*</b> , Jadhav, S.D., Jagtap, S.S., Patil, D.R., Salunkhe, S.M., Sankpal, S.A.	<b>B Org. and Med. Chem.</b> 47(5), 792-795, 2008.	4699	
4.	Synthesis and biological activity of some benzothiazolyl thiazolidinones.  Deshmukh, M.B., Jagtap, S.S., Deshmukh, S.A., Jadhav, S.D., <b>Anbhule, P.V.</b> , Suryawanshi, A.W.	<b>Journal of Indian Chemical Society,</b> 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., <b>Anbhule, P.V.</b> , Jadhav, S.D., Mali, A.R., Jagtap, S.S., Deshmukh, S.A.	<b>Indian J. of Chem.-Sec.-B Org. and Med. Chem.</b> 46(9), 1545-1548, 2007.	0376-4699	0.648
2.	A remarkable catalytic activity of [Cu (NCMe) <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> ]BF <sub>4</sub> in conjugate addition of organomanganese reagents to $\alpha,\beta$ -unsaturated ester, enone and allyl chloride.  Deshmukh, M.B., Jadhav, S., <b>Anbhule, P.V.</b> , Mali, A.R., Suryawanshi, A.W.	<b>Journal of Chemical Research.</b> 4, 248-250, 2006.	1747-5198	0.550
1.	Alkylation of unsaturated aldehydes 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., <b>Anbhule, P.V.</b> , Jagtap, S.S., Deshmukh, S.A.	<b>Synthetic Communications.</b> 35(23), 2967-2971, 2005.	0039-7911	1.06

## 12. List of Conference/Workshop/Seminar attended:

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 Bio chemistry, Shivaji University, Kolhapur. 4-5th March-2011.	<b>National</b>
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.	<b>National</b>
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.	<b>National</b>
4.	Synthesis and Biological Activity of Some New Triazolo Condensed Pyrimidine Derivatives.	National symposium on Advances in Synthetic Methodologies and New Materials.	Dept. of Chemistry, Shivaji University, Kolhapur 21-22nd January-2011.	<b>National</b>

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	<b>National</b>
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.	<b>National</b>
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.	<b>National</b>
8.	Simple, solvent free synthesis of 4-oxo-2-thioxohexahydropyrimidines using TMA under microwave irradiation.	National Conference On Chemistry In Drug Industry held at National Institute of Technology Warangal. (AP) 2005.	National institute of technology warngal (A.P) 7-8th Oct. 2005.	<b>National</b>
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.	<b>National</b>
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 <sup>th</sup> & 19 <sup>th</sup> December-2012.	<b>National</b>
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.	<b>National</b>
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.	<b>National</b>
13.	“Application of ortho-chloro-β-aryolthioamides in crystal probe, synthesis of tricyclic thiochro-meno [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 <sup>nd</sup> and 23 <sup>rd</sup> January-2013.	<b>National</b>
14.	Antimicrobial & Insecticidal activity of thiochromeno derivatives”.	National Conference on Challenges and Opportunities in Life Science.	Department of Biochemistry, Microbiology, Biotechnology, Shivaji University, Kolhapur, held on 8 <sup>th</sup> & 9 <sup>th</sup> February, 2013.	<b>National</b>
15.	A spectral deciphering the perturbation of human serum albumin by antibacterial, 2- amino-6-hydroxy-4-(4-hydroxyphenyl)-pyrimidine- 5- carbonitrile: insights from spectroscopic investigation.	DAE-BRNS 11th biennial trombay symposium on Radiation & photochemistry (TSRP-2012) Anushaktinagar, Mumbai, India	Bhabha Atomic Research Centre, Mumbai. 4-7th Jan-2012.	<b>International</b>
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 9-11 december 2009.	<b>International</b>
	New purine derivatives of potential	International Symposium on	Dept. of Chemistry,	



17.	anti-cancer activity.	Drug Discovery and Process Research held at Shivaji University, Kolhapur in 2003.	Shivaji University, Kolhapur 23-25 Jan 2003	<b>International</b>
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 <sup>th</sup> and 21 <sup>th</sup> , December-2012.	<b>International</b>

