

Dr. R. B. Bhosale  
Associate Professor, Head Dept. of  
Organic Chemistry & I/c Director,  
School of Chemical Sciences  
Solapur University, Solapur

### 1. List of Research papers published in National Journals.

1. Synthesis and biological evaluation of 1-(2'-Hydroxy-halogeno-substituted phenyl)-3-{3-(4''-substituted phenyl)-1-phenyl-1H pyrazole-4-yl}-2-propen-1-One", *Journal of Pharmaceutical Research*, April 2007, B.S.Dawane, **R.B.Bhosale** and S.S.Pekamwar.
2. Synthesis and biological evaluation of 2-(1'-phenyl-3-aryl-1H pyrazol-4-yl)-6-chloroflavone, *Journal of Avishkar, Solapur University, Solapur*, 2011, **R.B.Bhosale**, S.Y.Jadhav, S.P.Shirame and B.S.Dawane.
3. An improved procedure for synthesis of some phenyl pyrazoline derivative using PEG-400 as a recyclable solvent. *Proceeding of National conference on physics of Nanomaterials and applications (NCPNA-2012)*, S.Y.Jadhav, S.P.Shirame, M.G.Hublikar, **R.B.Bhosale**.
4. Synthesis, antibacterial activity and carcinogenicity study of 1,4-disubstituted 1,2,3-bistriazole via click chemistry, *Indian stream Research Journal*, vol-3, issue-10, Nov. 2013, 38-41, S.P.Shirame, S.Y. Jadhav, **R.B.Bhosale**.
5. A new solvent free efficient synthesis of 2-aminothioazole scaffolds using phosphorus oxychloride as a reaction medium. *Journal of golden research thoughts*, vol-3, 11, May 2014, D.G.Raut, V.D.Kadu and **R. B. Bhosale**.

### 2. List of Research paper published in International Journal.

1. An efficient and green procedure for the preparation of 2-{2-[N'-(2-Hydroxy benzylidene) hydrazine]-thiazole-4-yl} phenols, *Asut. J. of Chemistry*, 2007, V.T.Kamble, B.S.Dawane, S.A.Chavan and **R.B.Bhosale**.
2. Microbail and xanthine dehydrogenase inhibitory activity of some flavones. *J. of Enzyme Inhibition and Medicinal Chemistry*, Dec. 2007, C.N.Khobragade, R.G.Bodade, M.S.Shinde, D.R.Jaju, **R.B.Bhosale** and B.S.Dawane.
3. Multicomponent one pot synthesis of substituted Hantzsch thiazole derivatives under solvent free conditions. *E-Journal of Chemistry*, July 2009, B.S.Dawane, S.G.Konda, V.T.Kamble, S.A.Chavan, **R.B.Bhosale**.
4. An improved procedure for synthesis of some new 1,3-diaryl-2-propen-1-one using PEG 400 as a recyclable solvent and their antimicrobial evaluation, *Acta pharmaceutical*, August 2009, B.S.Dawane, S.G.Konda, B.M.Shaikh and **R.B.Bhosale**.

5. An efficient one-pot synthesis of some new 2,4-diaryl pyrido [3,2-c]coumarins as potent antimicrobial agents. *J. of Heterocyclic Chemistry*, Jan.-2010, B.S.Dawane, S.G.Konda, R.G.Bodade and **R.B.Bhosale**.
6. Synthesis and in Vitro antimicrobial activity of some new 1-thiazolyl-2-pyrazoline derivatives, *International J. of Pharmaceuticals sciences Review and Research*, April-2010, B.S.Dawane, S.G.Konda, B.M.Shaikh, S.S.Chole, N.T.Khandare, V.T.Kamble and **R.B.Bhosale**.
7. An efficient one-pot synthesis of 2,4,6-triaryl pyridines and their in vitro antimicrobial activity. *Der Pharma Chemica*, 2010, 2(3), 251-256, B.S.Dawane, S.G.Konda and **R.B.Bhosale**.
8. Green synthesis of new 1-(3-chlorophenyl)-4-(3-(4-phenyltriazole-1-yl)propyl) piperazine derivatives via click chemistry approach and their antimicrobial activities. *J. of chemistry and chemical engineering (USA)*, (2013), 200-205, S.P.Shirame, **R.B.Bhosale**, S.Y.Jadhav, M.G.Hublikar and S.H.Kathwate.
9. Synthesis and biological evaluation of fluoro-hydroxyl substituted pyrazole chalcones as anti-inflammatory, antioxidant and anti bacterial agents. *Int. J. of Pharma and Biosciences*, 2013, 4(2), 390-397, S.Y.Jadhav, **R.B.Bhosale**, S.P.Shirame, V.D.Sonawane, M.G.Hublikar, K.D.Sonawane and R.U.Shaikh.
10. PEG mediated synthesis and pharmacological evaluation of some fluoro substituted pyrazoline derivatives as anti-inflammatory and analgesic agents. *J. of Bioorganic and Medicinal Chemistry Letters*, 23 (2013) 2575-2578, S.Y.Jadhav, S.P.Shirame, S.D.Kulkarni, S.B.Patil, S.K.Pasale and **R.B.Bhosale**.
11. Design and synthesis of 1,2,3-triazole quinoline analogues via click chemistry approach and their antimicrobial, antioxidant activities, *Asian Journal of Pharmaceutical and clinical research*, vol-7, issue-1, 2014, S.P.Shirame, S.Y.Jadhav and **R.B.Bhosale**.
12. PEG Mediated Synthesis and Biological Evaluation of Asymmetrical Pyrazole Curcumin Analogues as Potential Analgesic, Anti-inflammatory and Antioxidant Agents. *Chem Biol Drug Des*, 1-8, John Wiley and Sons, **July -2014**, S.Y.Jadhav, **R.B.Bhosale**, S.P.Shirame, S.B.Patil and S.D.Kulkarni.
13. Synthesis and Potent Antibacterial Activity of Quinoxaline 1,2,3-Triazole Derivatives. *International Jour. Of Pharma. Res.*, 68-72, Vol. 6, Issue-3, **Sept. 2014**, S.P.Shirame, S.K.Pasale, S.Y.Jadhav and **R.B.Bhosale**.

Dr. A. A. Ghanwat  
Assistant Professor &  
I/c Head, Dept. of Polymer Chemistry  
School of Chemical Sciences  
Solapur University, Solapur

Sr. No.	Name of Author/s	Year of publications	Title of the Paper	Name of Journal	Volume
1	H. V. Vijayanand, L. Arunkumar, P. M. Gurubasawaraj, P. M. Veerasha Sharma, A. Basavaraja, A. Saleem, A. Vankataraman, <b>Anil Ghanwat</b> , N. N. Maldar	2007	Synthesis and Characterization of polyimide – $\gamma$ - Fe <sub>2</sub> O <sub>3</sub> Nanocomposites	Journal of Appl. Polym. Science	103
2	V. P. Ubale, <b>A. A. Ghanwat</b> , P. P. Wadgaonkar, N. N. Maldar	2009	Aromatic Poly (amidehydrazides): Synthesis and Characterization	Journal Macromolecular Sci. Part-A	46
3	<b>A. A. Ghanwat</b> , M. M. Sayyad, P. P. Wadgaonkar, N. N. Maldar	2009	Synthesis and Thermal Properties of Soluble Silicon Containing Polyamides	J. Therm. Anal. Cal.,	DOI 10.1007/s10973-009-286-y
4	B. T. Raut, M. A. Chougule, <b>A. A. Ghanwat</b> , R. C. Pawar, C. S. Lee, V. B. Patil	2012	Polyaniline–CdS nanocomposites: effect of camphor sulfonic acid doping on structural, microstructural, optical and electrical properties	J. Mater Sci: Mater Electron;	23
5	S. T. Navale, A. T. Mane, <b>A. A. Ghanwat</b> , A.R. Mulik and V.B. Patil	2014	Camphor sulfonic acid (CSA) doped polypyrrole (PPy) films: Measurement of microstructural and optoelectronic properties	Measurement	50
6	A. T. Mane, S. B. Kulkarni, S. T. Navale, <b>A. A. Ghanwat</b> , N. M. Shinde, JunHo Kim and V.B. Patil	2014	NO <sub>2</sub> sensing properties of nanostructured tungsten oxide thin films	Ceramic International	40
7	R. M. Patil, <b>A. A. Ghanwat</b> , R. Gnyasheware and R. Satyanarayan	2015	Synthesis and characterization of four-arm star poly( $\epsilon$ – caprolactone)-block-poly(cyclic carbonate methacrylate) block copolymers by combining	Journal of Macromolecular Science, Part A: Pure and Applied	52

			ring-opening polymerization with atom transfer radical polymerization	Chemistry	
8	A. A. Ghanwat and V. P. Ubale	2015	Synthesis and Characterization of cyclohexylidene containing novel cardo poly(ester – amide)s	International Journal of Engineering Science Invention	4
9	A. A. Ghanwat and V. P. Ubale	2015	Soluble Tetraphenylthiophene containing poly (amide – imide)s: Synthesis and characterization	International Journal of Pharmaceutical Science Invention	4
10	R. M. Patil, <b>A. A. Ghanwat</b> , Han Hong, Christina L. L. Chai, R. Gnyasheware and R. Satyanarayan	2015	Synthesis and characterization of $\alpha$ -(cyclic carbonate)- $\omega$ -hydroxyl / carboxylic acid, asymmetric telechelic poly( $\epsilon$ -caprolactone)	Polymer Bulletin ( <i>Accepted</i> ) (POBU-D-14-00096 of 15-02-2014)	

Mr. Shringare S N  
Assistant Professor & I/c. Head  
Dept. of Industrial Chemistry  
School of Chemical sciences  
Solapur University, Solapur

**List of Research paper published in International Journal**

1. Synthesis and antioxidant, cytotoxicity and antimicrobial activities of novel curcumin mimics. *Informa Healthcare's Journal of Enzyme Inhibition and Medicinal Chemistry* Apr 2012, Vol. 27, No. 2, Pages 267-274
2. Synthesis of new olefin chalcone derivatives as antitumor, antioxidant and antimicrobial agents. *Springer link's Medicinal Chemistry Research Journal*. December 2012, Volume 21, Issue 12, pp 4512-4522.
3. Synthesis of novel carbazole chalcones as radical scavenger, antimicrobial and cancer chemopreventive. *Informa Healthcare's Journal of Enzyme Inhibition and Medicinal Chemistry*. Posted online on March 1, 2012. (doi:10.3109/14756366.2012.663365).
4. Synthesis, biological evaluation, and docking studies of 3-(substituted)-aryl-5-(9-methyl-3-carbazole)-1H-2-pyrazolines as potent anti-inflammatory and antioxidant agents. *Science Direct's Elsevier Bioorganic & Medicinal Chemistry Letters*. 22 (2012) 5839–5844.
5. Synthesis, biological evaluation, and molecular docking of N-{3-[3-(9-methyl-9H-carbazol-3-yl)-acryloyl]-phenyl}-benzamide/amide derivatives as xanthine oxidase and tyrosinase inhibitors. *Science Direct's Elsevier Bioorganic & Medicinal Chemistry*. 20 (2012) 5649–5657.
6. Design, synthesis, characterization and biological evaluation of novel pyrazole integrated benzophenones. *Science Direct's Elsevier Bioorganic & Medicinal Chemistry Letters*. Volume 23, Issue 3, 1 February 2013, Pages 912–916.
7. Novel ibuprofen prodrugs with improved pharmacokinetics and non-ulcerogenic potential. *Springer link's Medicinal Chemistry Research Journal*. Jan. 2014, Volume 23, Issue 1, pp 503-517.