

CURRICULUM VITAE



1. Personal Details:

Name : Dr. Dattaprasad Marutrao Pore
Designation : Associate Professor
Department of Chemistry,
Shivaji University, Kolhapur – 416004.
Date of Birth : 17th June 1976
E-mail Address : p_dattaprasad@rediffmail.com
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Behind RCC builders,
Ujalaiwadi, Kolhapur

2. Academic Details :

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

3. Research Specialization : Synthetic Organic Chemistry

- ### 4. Honors /Rewards
- : 1) Prof M. H. Jagdale award for securing 1st rank in M.Sc. Chemistry, Shivaji University, Kolhapur in 1998
 - 2) Summer research fellowship by Indian Academy of Sciences, Bangalore
 - 3) BOYSCAST fellowship by DST, Govt. of India, New Delhi in 2010-2011

4) Recipient of Fast Track Research Proposal for Young Scientist from DST.

5) Fellow of Maharashtra Academy of Sciences 2016

5. Teaching Experience : Total : 16.5 years
U.G. : 2.5 years
P. G. : 14 years

6. **Research Guidance** :
PG Programme

M.Sc. Projects : 78 -- students

M.Phil : 02

M. Phil working : 01

Ph. D. : 07

Ph. D. working : 04

7. **Research Publications** :

National : 05

International : 46

Total Publications 51

8. Conferences Attended :

National : 12

International : 01

Invited Talk : 20

9. Research Project :

Sr. No.	Title of the project	Funding Agency	Period	Grant sanctioned/ Amount mobilized In Rs.	Status
1	Development of newer synthetic methodologies using heterogeneous solid acid and bases	UGC	1/04/2008 to 31/03/2011	6, 78,300/-	Completed
2	Development of cleaner methodologies for heterocycles and coupling reactions	UGC	28/03/2013 to 27/03/2016	10, 28,880/-	Completed
3	Designing and synthesis of ionic liquids for pharmaceutically important organic transformations	DST	24/07/2014 to 23/07/2017	26,00,000/-	Completed

10. Membership/Other Charges: NIL

11. List of Publications :

- Synthesis of 2-Amino-4-(3-amino-5-hydroxy-4 H -pyrazol-4-ylidene)-4 H -chromene-3-carbonitriles, Mane, M.M., Pore, D.M., Synlett, 2016, 27, 1720.
- DABCO catalyzed pseudo multi-component synthesis of functionalized spirooxindoles, Hegade, P.G., Chinchkar, S.D., Pore, D.M., Monatshefte fur Chemie, 2016, 147, 1243.
- An efficient synthesis of anti-microbial 1,2,4-triazole-3-thiones promoted by acidic ionic liquid, Patil P.B., Patil J.D., Korade S.N., Kshirsagar S.D., Govindwar S.P., Pore D.M., Res ChemIntermed, 2016, 42, 4171.
- Novel task-specific ionic liquid for room temperature synthesis of spiro-1,2,4-triazolidine-3-thiones, Korade, S.N., Patil, J.D., Pore, D.M., MonatshChem, 2016, 147, 2143.

- Sulfamic acid as energy efficient catalyst for synthesis of fluorophores, 1-H-spiro [isoindoline-1,2'-quinazoline]-3,4'(3'H)-diones, Mane, M.M., Pore, D.M., Journal of Chemical Sciences, 2016, 128, 657.
- Green aspect for multicomponent synthesis of spiro[4 H -indeno[1,2-b]pyridine-4,3'-[3 H]indoles], Dige, N.C., Pore, D.M., Synthetic Communications, 2015, 45, 2498.
- Dual functionalized task specific ionic liquid promoted in situ generation of palladium nanoparticles in water: synergic catalytic system for Suzuki-Miyaura cross coupling, Patil, J.D., Korade, S.N., Patil, S.A., Gaikwad, D.S., Pore, D.M., RSC Advances, 2015,5, 79061.
- Sulfamic acid: Efficient, cost-effective catalyst for facile synthesis of deazaoxaflavin at ambient temperature, Mane, M.M., Pore, D.M., Synthetic Communications, 2015, 45, 868.
- A polymer supported ascorbate functionalized task specific ionic liquid: An efficient reusable catalyst for 1,3-dipolar cycloaddition, Patil, J.D., Patil, S.A., Pore, D.M., RSC Advances, 2015, 5, 21396.
- A novel one pot multi-component strategy for facile synthesis of 5-aryl-[1,2,4]triazolidine-3-thiones, Mane, M.M., Pore, D.M., Tetrahedron Letters, 2014,55,6601.
- Sulfamic acid: A mild, efficient, and cost-effective catalyst for synthesis of indoloquinoxalines at ambient temperature, Hegade, P.G., Mane, M.M., Patil, J.D., Pore, D.M., Synthetic Communications, 2014,44, 3384.
- Catalyst-free access to pseudo multi-component synthesis of benzopyranopyrimidines, Shaikh, T S., Patil, J.D., Gaikwad, D S., Hegade, P G., Patil, P B., Undale, K A., Mane, M M., Pore, D M., Indian Journal of Chemistry - Section B Organic and Medicinal Chemistry, 2014, 53B, 1288.
- Green access to multi-component synthesis of spiropyranopyrazoles, Pore, D.M., Hegade, P.G., Gaikwad, D.S., Patil, P.B., Patil, J.D., Letters in Organic Chemistry, 2014, 11, 131.
- AlCl₃Br: An efficient novel ionic liquid for synthesis of novel 1,2,4-triazolidine-3-thiones in water, Patil, J.D., Pore, D.M., RSC Advances, 2014,4, 14314.

- Experimental determination and prediction of phase behavior for 1-butyl-3-methylimidazolium nonafluorobutylsulfonate and carbon dioxide, Hong, S.K., Park, Y.K., Pore, D.M., Korean Journal of Chemical Engineering, 2014,31,1656.
- 1,1'-Sulfinyldipyridinium bis (hydrogen sulfate) ionic liquid: Synthesis and application in the temperature-influenced synthesis of novel pyranopyrimidinediones and pyranopyrimidinetriones, Patil, J.D., Korade, S.N., Pore, D.M., RSC Advances, 2014,4, 50449.
- Document The unprecedented synthesis of novel spiro-1,2,4-triazolidinones, Pore, D.M., Hegade, P.G., Mane, M.M., Patil, J.D., RSC Advances, 2013,3, 25723.
- Green access to novel spiropyranopyrazole derivatives, D.M. Pore, P.B. Patil, D.S. Gaikwad, J.D. Patil, K.A. Undale, Tetrahedron Letters, 2013, 54, 5876.
- Ferrocene-tagged N-heterocyclic carbene-Pd complex for Suzuki-Miyaura coupling, D.M. Pore, D.S.Gaikwad, J.D. Patil, Monatshefte fur Chemie, 2013, 144, 1355.
- Palladium-nanoparticle-catalyzed Matsuda-Heck reaction in water D.S. Gaikwad, D.M. Pore, Synlett, 2012, 23, 2631.
- Potassium phosphate catalyzed efficient synthesis of 3-carboxycoumarins K.A. Undale, D.S. Gaikwad, T.S. Shaikh, U.V. Desai, D.M. Pore, Indian Journal of Chemistry - Section B, 2012, 51, 1039.
- A novel hydrophobic fluorous ionic liquid for ligand-free Mizoroki-Heck reaction, Gaikwad, D.S., Park, Y., Pore, D.M., Tetrahedron Letters, 2012, 53, 3077.
- Envirocat EPZ10:An efficient catalyst for the synthesis of 3acetoacetylcoumarins, Shaikh, T.S., Undale, K.A.,Gaikwad, D.S., Pore, D.M., ComptesRendusChimie, 2011, 14, 987.
- An efficient multi-component synthesis of (2-amino-3-cyano- 4H-chromen-4-yl) phosphonic acid diethyl ester, Gaikwad D.S., Undale K.A., Shaikh T.S., Pore D.M., ComptesRendusChimie, 2011, 14, 865.
- Synthesis of novel fluorphores derived from pyranylidenemalononitrile, Shin M., Lee S., Chin S., Lee S.H., Pore D.M., Park Y.K., Lee S.G., Hwang K.J., Bull.of the Korean Chem.Soc, 2011,32,3152.

- One-pot multi-component synthesis of polyhydroquinolines at ambient temperature K.A. Undale, T.S. Shaikh, D.S. Gaikwad, D.M. Pore, *Comptes Rendus Chimie*, 2011, 14, 511.
- A revisit to the hantzsch reaction: Unexpected formation of tetrahydro-benzo[b]pyrans beyond polyhydroquinolines K.A. Undale, Y. Park, K. Park, D.H. Dagade, D.M. Pore, *Synlett*, 2011, 719.
- A green protocol for catalyst-free synthesis of 1-oxo-hexahydroxanthenes in aqueous medium D.M. Pore, T.S. Shaikh, K.A. Undale, D.S. Gaikwad *C. R.Chimie*, 2010, 13,1429.
- Envirocat EPZ-10: A Solid Acid Catalyst for the Synthesis of 1,8-Dioxo-octahydro xanthenes in Aqueous Medium D. M. Pore, T. S. Shaikh, N. G. Patil, B. B. Dongare, U. V. Desai, *Synthetic Communications*, 2010, 40, 2215.
- Potassium Phosphate Catalyzed a Rapid Three-Component Synthesis of Tetrahydrobenzo[b]pyran at Ambient Temperature, D. M. Pore, K. A. Undale, B. B. Dongare, U. V. Desai, *Catalysis Letters*, 2009, 132, 104.
- Sulfamic acid: An efficient and cost-effective solid acid catalyst for the synthesis of α -aminophosphonates at ambient temperature, S.D. Mitragotri, D. M. Pore, U.V. Desai, P.P. Wadgaonkar, *Catalysis Communications*, 2008, 9, 1822.
- Trichloroisocyanuric Acid Mediated one-pot Synthesis of Unsymmetrical 2,5-Disubstituted 1,3,4-Oxadiazoles at Ambient Temperature, D. M. Pore, S. M. Mahadik, U. V. Desai, *Synthetic Communications*, 2008, 38, 3121.
- LiBF₄ catalyzed synthesis of α -aminonitriles D. M. Pore, U. V. Desai, T. S. Thopate, P. P. Wadagaonkar *Monatsh Fur Chem.*, 2007, 138, 759.
- Anhydrous Magnesium Sulfate Mediated Solvent-free Synthesis of Dihydropyrimidin-2(1H)ones at Ambient Temperature, D. M. Pore, U. V. Desai, T. S. Thopate, P. P. Wadagaonkar, *Australian Journal of Chemistry*, 2007, 60, 435.
- An Efficient Deprotection of Dithioacetals to Carbonyls using Oxone-KBr in Aqueous-Acetonitrile Medium Uday V. Desai, D.M. Pore, B. V Tamhankar, P. P. Wadgaonkar, *Tetrahedron Letters* 2006, 47, 8559.

- A highly efficient synthesis of trisubstitutedquinolines using sodium hydrogen sulphate on silica gel as a reusable catalyst U. V. Desai, S. D. Mitragotri, T. S. Thopate, D. M. Pore, P. P. Wadgaonkar *Arkivoc* 2006, xv, 198.
- Potassium Phosphate or Silica Sulfuric Acid Catalyzed Conjugate Addition of Thiols to α , β - Unsaturated Ketones at Room Temperature under Solvent-Free Conditions D. M. Pore, M. S. Soudagar, U. V. Desai, T. S. Thopate, P. P. Wadgaonkar, *Tetrahedron Letters*, 2006, 47, 9325.
- An Efficient Deprotection of Dithioacetals to Carbonyls using Oxone-KBr in Aqueous-Acetonitrile Medium Uday V. Desai, D.M. Pore, B. V Tamhankar, P. P.Wadgaonkar, *Tetrahedron Letters*, 2006, 47, 8559.
- An efficient, solvent-free method for chemoselective synthesis of acylals from aldehydes and their deprotection catalyzed by silica sulfuric acid as a reusable solid acid catalyst U. V. Desai, T. S. Thopate, D.M. Pore, P. P. Wadgaonkar, *Catalysis Communications*, 2006, 7, 508.
- A mild, expedient and solventless synthesis of bis(indolyl) alkanes using silica sulfuric acid as a reusable catalyst D.M. Pore, U.V. Desai, T. S. Thopate, P.P. Wadgaonkar, *Arkivoc*, 2006, xii, 75-80.
- ChemoselectiveDithioacetalization of Aldehydes Over Ketones Using Silica Sulfuric Acid as a Reusable Catalyst U.V. Desai, D.M. Pore, R.B. Mane and P. P.Wadgaonkar, *Indian Journal of Chem. Sec. B.* 2006, 45, 1291.
- Oxidation of 1,2-bis (cyanoalkyl) hydrazines to azobisnitriles using trichloroisocyanuric acid U. V. Desai, S. M. Mohite, D.M. Pore, R.B. Mane, P. P. Wadgaonkar, *Journal of Chem. Res.*, 2004, 645.
- ChemoselectiveTetrahydropyranylation of Alcohols and Their Detetrahydropyranylation using Silica sulfuric Acid as a Reusable Catalyst D.M. Pore, U. V. Desai, R.B. Mane, P.P. Wadgaonkar *Synth.Comm.* 2004, 34, 2135.
- One Pot Synthesis of Monoalkylated and Mixed, Dialkylated Meldrum's Acid Derivatives, Desai, U.V., Pore, D.M., Mane, R.B., Solabannavar, S.B., Wadgaonkar, P.P., *Synthetic Communications*, 2004,
- Potassium phosphate catalyzed Nitroaldol Reaction D.M. Pore, U. V. Desai, R.B. Mane, P.P. Wadgaonkar, *Synth. Commun.* 2004, 34, 19.

12. List of Conference/Workshop/Seminar attended:

- One Pot Synthesis of Monoalkylated and Mixed, Dialkylated Meldrum's Acid "National Symposium on Frontier in Organic Chemistry" organized by Shivaji University, Kolhapur.
- Campaign on University Research And training Court-2003. organized by Shivaji University, Kolhapur.
- "Recent Developments In Environmental Science" organized by KarmaveerBhauraoPatilMahavidyalaya, Pandharpur.
- Oxidative coupling of thiols to Disulphides using Oxone-KBr in Aqueous Acetonitrile medium National Seminar on "Recent Trends In Polymer and Organic Synthesis" organized by Himachal Pradesh University, Shimla.
- A work shop on "Green Chemistry" organized by M. S. University, Baroda, India
- Trichloroisocyanuric acid Mediated One pot synthesis of Unsymmetrical 2,5-Disubstituted 1,3,4-Oxadiazoles at Ambient Temperature National Seminar on "Synthesis of New Materials For Industrial Applications" held on 1st -2nd Feb. 2008 organized by Dept. of Chemistry Shivaji University, Kolhapur.
- Envirocat EPZ-10: A Solid Acid Catalyst for the Synthesis of 1,8-Dioxo-octahydro xanthenes in Aqueous Medium National Conference on "Recent Advances in Chemical Sciences" held on 3-5th Oct. 2008 at Bikaner, Rajasthan organized by Dept. of Chemistry, Govt. Dungar College, Bikaner.
- International Conference on Nanomaterials and Applications(ICNAMA-2008) held on 9-11th Dec. 2008 Dept. of Chemistry Shivaji University, Kolhapur.
- One-pot Multi-component synthesis of polyhydroquinolines at ambient temperature National Seminar on "Advanced Synthetic Methodologies and Functional Materials" [ASMFMM] held on 23rd -24th Dec.2009 organized by Dept. of Chemistry Shivaji University, Kolhapur.
- Potassium phosphate catalyzed highly efficient synthesis of sulphides at ambient temperature National Seminar on "Advanced Synthetic Methodologies and

- Functional Materials” [ASMFM] held on 23rd -24th Dec. 2009 organized by Dept. of Chemistry Shivaji University, Kolhapur.
- Potassium phosphate catalysed an Efficient Synthesis of 3- carboxycoumarins UGC-SAP National Symposium on “Advances in Synthetic Methologies and New Materials” held on 21st and 22nd Jan. 2011 organized by Dept. of Chemistry Shivaji University, Kolhapur.
 - An Efficient Multi-Compound Synthesis of (2-Amino-3-cyano-4H-Chromen-4yl) Phosphonic Acid Diethyl Ester National Seminar on “Recent Trends in organic synthesis” held on 24-26th Feb. 2011 organized by Dept. of Chemistry Shivaji University, Kolhapur.
 - Envirocat EPZ-10: An Efficient Catalyst for synthesis of 3-Acetoacetyl coumarins National Seminar on “Recent Advances in Synthetic Chemistry and Nanomaterials” [RASCN] held on 21st and 22nd Jan. 2012 organized by Dept. of Chemistry Shivaji University, Kolhapur.
 - Synthesis of novel Ionic liquid and its application for synthesis of triazolidinethones in aqueous medium National Seminar on “Current Trends in Chemical and Nano Sciences” 17th ,18th Jan. 2014 organized by Dept. of Chemistry Shivaji University, Kolhapur
 - Synthesis of indoloquinoxalines at ambient temp. National conference on Frontiers in chemical sciences organized by School of chemical science on 30th June 2014, Solapur university
 - Synthesis of indoloquinoxalines at ambient temp. National seminar on Frontiers in chemical sciences 25th-26th Sept. 2015 organized by Bharati vidyapith, Kolhapur