

Dr. SANDESH TUKARAM BUGDE

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Research Interest

Synthetic Organic Chemistry, Asymmetric Organocatalysis.

Research Publications

1. Bugde, S.; Majik, M.; Mandrekar, V.; Nadkarni, V.; Tilve, S. Novel polycarbonate copolymer as organocatalyst for aldol and Michael reaction. *Synth. Commun.* 2013, 43, 2536.
2. Vernekar, A. A.; Bugde, S. T.; Tilve, S. G. Sustainable hydrogen production by catalytic hydrolysis of alkaline sodium borohydride solution using recyclable Co-Co₂B and Ni-Ni₃B nanocomposites. *Int. J. Hyd. Energy*, 2012, 37, 327.
3. Goswami, K.; Paul, S.; Bugde, S. T.; Sinha, S. Synthesis of optically active homotryptophan and its oxygen and sulfur analogues. *Tetrahedron* 2012, 68, 280.
4. Bhat, C.; Bugde, S. T.; Tilve, S. G. Conhydrine: an account of Isolation, Biological perspectives and Synthesis. *Synthesis* 2014, 46, 2551.
5. Bugde, S. T.; Volvoikar, P. S.; Tilve, S. G. Protecting-Group-Directed Regio- and Stereoselective Oxymercuration–Demercuration: Synthesis of Piperidine Alkaloids Containing 1,2- and 1,3-Amino Alcohol Units, *Synthesis*, 2018, 50, 1113.

Conferences/ Symposium/ Workshops

1. Paper entitled "A New Class of Allyl Diglycol Carbonate-Pyrrolidine Derived Copolymer as Organocatalyst and its Application in Aldol and Michael Addition Reaction" presented at Royal Society of Chemistry-West India Section 2010, Goa University.
2. Paper entitled "Synthesis of Allyl Diglycol Carbonate-Pyrrolidine Derived Co-Polymer as a Immobilized Organocatalyst and its use in Aldol and Michael Reactions" Presented at RTOS 2011, Bhartidasan University, Trichi.
3. Paper entitled "Regeoselective Synthesis Of Piperidine Alkaloids Through Oxymercuration Strategy". Presented at 9th National Organic Symposium Trust, J-NOST 2013, IISER Bhopal.
4. Participated at 7th National Organic Symposium Trust, J-NOST 2011, IISER Mohali.
5. Participated at two day National workshop on "Drug Discovery Technology: Insights of protein-ligand interactions" at Parvatibai Chowgule College, Margao-Goa on 15th and 16th January 2016.
6. Attended lecture on "2D NMR" by Prof. M. S. Wadia at Vergo Pharma Research Pvt. Ltd. Tiswadi-Goa on 19th December 2014.
7. Participated in the State level seminar on "Advances in Colloid Chemistry" at Parvatibai Chowgule College, Margao-Goa on 14th February 2015.

Invited Lecture

1. Presented an **invited lecture** on the topic "ICT based learning: Tools to Chemical Drawings" on 5th December, 2015 at **Parvatibai Chowgule College, Margao-Goa.**