
LIST OF PUBLICATIONS

1. Nano Zirconia Catalysed One Pot Synthesis of Some Novel Substituted Imidazoles under Solvent Free Conditions.

Shivam Bajpai, Sundaram Singh and Vandana Srivastava, *RSC Advances*, Vol. 5, 2015, pp. 28163 – 28170.

2. Rutile phase nanoTiO₂ as an effective heterogeneous catalyst for condensation reaction of isatin derivatives with 1, 2-diaminobenzene under solvent free conditions: A greener “NOSE” approach.

Shivam Bajpai, Sundaram Singh and Vandana Srivastava, Accepted, *Arabian Journal of Chemistry*, DOI:10.1016/j.arabjc.2014.11.037.

3. An easy and efficient protocol for the condensation reaction of isatin and *N*-substituted isatins with 1, 2-diaminobenzene using low cost reusable clay catalyst,

Shivam Bajpai, Sundaram Singh and Vandana Srivastava, *Heterocyclic Communications*, Vol. 20, Issue 1, 2014, pp. 37-39.

4. Monoclinic zirconia catalyzed regioselective synthesis of some novel substituted spirooxindoles *via* one pot multicomponent reaction in a ball mill: a step towards green and sustainable chemistry.

Shivam Bajpai, Sundaram Singh, Vandana Srivastava, *ChemCatChem*, **Communicated**.