

Dr. Geeta Devi Yadav

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PUBLICATIONS: Research Paper (International and National Journal)

The publications are listed in chronological order beginning with the most recent publication:

- 1 P. Chaudhary, Deepa, D. R. Meena, M. J. Aalam, **G. D. Yadav** and S. Singh* Cellulose sulfate: An efficient heterogeneous catalyst for the ring-opening of epoxides with alcohols and anilines, *Synthetic Communications* **2021**, *51*, 1834–1846.
- 2 Deepa, **G. D. Yadav**, P. Chaudhary, M. J. Aalam, D. R. Meena and S. Singh*, Chiral Imidazolidin-4-one with Catalytic Amount of Dicationic Ionic Liquid act as a Recoverable and Reusable Organocatalyst for Asymmetric Diels-Alder Reaction. *Chirality*, **2019**, *1-19*.
- 3 **G. D. Yadav**, Deepa and S. Singh*, Prolinamide-Catalysed Asymmetric Organic Transformations. *Chemistry Select* **2019**, *4*, **5591-5618**.
- 4 Deepa, **G. D. Yadav** and S. Singh*, Synthesis of Dihydropyrimidinones (DHPMs) and Hexahydro Xanthene Catalysed by 1,4-Diazabicyclo [2.2.2] Octane Triflate Under Solvent Free Condition. *Current Organic Synthesis*, **2019**, *16*, **1-25**.
- 5 A. Dixit, P. Kumar, **G. D. Yadav** and S. Singh*, Asymmetric Henry reaction catalyzed by chiral Cu(II) salalen and salan complexes derived from (S)-proline. *Inorganic Chimica Acta*, **2018**, *479*, **240-245**.
- 6 **G. D. Yadav** and S. Singh*, 1,4-Diaza-bicyclo[2.2.2]octane trifluoroacetate: A highly efficient organocatalyst for the cyanosilylation of carbonyl compounds under solvent free condition. *Chemistry Select* **2017**, *2*, **4830**.
- 7 **G. D. Yadav** and S. Singh*, N-Arylprolinamide act as an organocatalyst for direct asymmetric aldol reaction of acetone with isatin, *Tetrahedron: Asymmetry* **2016**, *27*, **123**.
- 8 **G. D. Yadav** and S. Singh*, trans-4-Hydroxy-(L)-prolinamide as an efficient catalyst for direct asymmetric aldol reaction of acetone with isatins. *Tetrahedron: Asymmetry* **2016**, *27*, **463**.
- 9 **G. D. Yadav** and S. Singh*, (l)-Prolinamideimidazoliumhexafluorophosphate ionic liquid as an efficient reusable organocatalyst for direct asymmetric aldol reaction in solvent-free condition, *RSC Advances* **2016**, *6*, **100459**.
- 10 P. Kumar, M. S. Chauhan, **G. D. Yadav** and S. Singh*, (S)-Pyrrolidine-containing chiral manganese (III)-salalen and salan complexes as catalyst for the asymmetric Henry reaction, *Synlett* **2016**, *27*, **267**.

- 11 A. Dixit, **G. D. Yadav**, M. S. Chauhan and S. Singh*, Salts of 1-(Chloromethyl)-DABCO: A highly efficient organocatalyst for the alcoholysis of epoxides, *Current catalysis* **2016, 5, 203**.
- 12 M. Kumar, K. Soni, **G. D. Yadav**, S. Singh, S. Deka*, Surfactant directed Ag_{1-x}Ni_x alloy nanoparticle catalysed synthesis of aromatic azo derivatives from aromatic amines, *Applied Catalysis A General* **2016, 525, 50**.
- 13 **G. D. Yadav**, M. Mishra and S. Singh*, Methyloxonium triflate: An efficient catalyst for ring opening of epoxides with alcohols under ambient conditions, *Current Catalysis* **2015, 4, 133**.
- 14 **G. D. Yadav** and S. Singh*, Direct asymmetric aldol reaction catalyzed by *trans*-4-hydroxy-(*S*)-prolinamide in solvent-free conditions. *Tetrahedron: Asymmetry*, **2015, 26, 1156**.
- 15 **G. D. Yadav** and S. Singh*, Ring opening of epoxides with alcohols using Fe(Cp)₂BF₄ as catalyst, *Tetrahedron Lett.* **2014, 55, 3979**.
- 16 **G. D. Yadav**, M. S. Chauhan and S. Singh*, Fe(Cp)₂BF₄: An efficient Lewis acid catalyst for the aminolysis of epoxides, *Synthesis*, **2014, 629**.
- 17 M. S. Chauhan, **G. D. Yadav**, F. Hussain and S. Singh*, *N*-Fluorobenzenaminium tetrafluoroborate generate in situ by aniline and Selectfluor as a reusable catalyst for ring opening of epoxides with amines under microwave irradiation. *Catal. Sci. Technol.* **2014, 3945**.