

Dr. Paramartha Gogoi

Assistant Professor, Sibsagar College

Date of Joining: 13.08.2016

Present address:

Department of Chemistry,

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Area of interest

- Multistep organic Synthesis
- Asymmetric catalysis

Education:

- BSc. From JIST (Govt Science College, Jorhat)
- MSc. From Gauhati University. Specialization: Organic Chemistry.
- PhD from Indian Institute of Technology, Guwahati.
Thesis title- "An Aspects of the Chemistry of Oxygenated Heterocycles and Use of 1,3 Chiral Diols in Asymmetric Synthesis"

Achievements

- Qualified National Eligibility Test (NET/JRF) in Chemical Science, conducted by CSIR. Rank-63
- Qualified Graduate Aptitude Test (GATE) in Chemistry. Rank-68

Publications:

1. Synthesis of Oxabicyclo[3.3.1]nonenes and Substituted Tetrahydropyrans *via* (3,5)-Oxonium-ene reaction. Saha, P.; **Gogoi, P.**; Saikia, A. K. *Org. Biomol. Chem.* **2011**, *9*, 4626-4634.
2. Stereoselective, One-pot, Three-Component Synthesis of 4-Aryltetrahydropyrans from Epoxides *via* Prins-cyclization Reaction. Indukuri, K.; Bondalapati, S.; Kotipalli, T.; **Gogoi, P.**; Saikia, A. K. *Synlett.* **2011**, 233-238.
3. Axial-selectivity in Prins Cyclization Reaction: Synthesis of 4-Iodotetrahydropyrans. Saikia, A. K.; Bondalapati, S.; Indukuri, K.: **Gogoi, P.** *Chemistry Lett.* **2011**, *47*, 7779-7782.
4. Application of a Novel 1,3-Diol with a Benzyl Backbone as Chiral Ligand for Asymmetric Oxidation of Sulfides to Sulfoxides. **Gogoi, P.**; Kotipalli, T.; Indukuri, K.;

- Bondalapati, S.; Saha, P.; Saikia, A.k. *Tetrahedron Lett.* **2012**, *53*, 2726-2729.
5. Diastereoselective Synthesis of Substituted Thiotetrahydropyrans via Thionium-Ene Cyclization Reaction. Bondalapati, S.; **Gogoi, P.**; Indukuri, K.; Saikia, A. K. *J. Org Chem.* **2012**, *77*, 2608-2612.
 6. Interaction of naproxen with β -cyclodextrin and its derivatives/polymer: experimental and molecular modeling studies. Banik, A.; **Gogoi, P.**; Dutta, M. *Journal of Incl. Phenom. and Macrocyclic Chemistry.* **2012**, *72*, 449-458.
 7. Scandium(III) triflate Catalyzed Synthesis of Primary Homoallylic Alcohols via Carbonyl-ene Reaction. Sultana, S.; Bondalapati, S.; Indukuri, K.; **Gogoi, P.**; Saha, P.; Saikia, A. K. **2013**, *54*, 1576-1579.
 8. Diastereoselective Synthesis of Substituted Tetrahydrofurans via Prins Cyclization of Enol Ethers. **Gogoi, P.**; Das, V. K.; Saikia, A. K. *J. Org Chem.* **2014**, *79*, 8592-8598.
 9. Diastereoselective Synthesis of substituted Tetrahydro- thiophene and thiopyrans via Thia-Prins Cyclization Reaction. Borah, M.; **Gogoi, P.**; Indukuri, K.; Saikia, A. K. *J. Org Chem.* **2015**, *80*, 2641-2648.

Conference/Seminar attended:

1. 18th International Conference (POST ISCBC-2012), Institute of Advanced Study in Science & Technology (IASST), Guwahati, Assam. 28th-30th January 2012.
2. CRSI, National Symposium in Chemistry Banaras Hindu University, Varanasi, India. 1st-3rd February 2013.
3. Indian Science Congress, University of Mysore, India. 3rd-7th January 2016.
4. National Seminar cum workshop on Advances in Science and Technology and Pertinent need of Instrumentation. Sibsagar College, Joysagar. 9th-11th September 2016.