

CURRICULUM VITAE

Name: DEBARSHI SINHA

Date of Birth: 20th September, 1981

Educational Qualification

Ph.D. (January'2005 – November'2010): Under the guidance of Prof. Saumen Hajra and Prof. Samik Nanda, at the Department of Chemistry, Indian Institute of Technology Kharagpur, India.

Area of interest: Stereoselective Organic Synthesis; Heterocyclic Chemistry.

Thesis title: *Metal Triflate Catalyzed 1,2-Bifunctionalization of Alkenes toward Synthesis of Important Heterocyclic Compounds.*

Master of Science (2002–2004, Chemistry, Organic Special):

First class; University of Calcutta, West Bengal, India.

Bachelor of Science (1998–2002, Chemistry Honors):

First class; University of Calcutta, West Bengal, India.

List of Publications

1. Hajra, S.; **Sinha, D.**; Bhowmick, M. Metal triflate catalyzed highly regio- and stereoselective 1,2-bromoazidation of alkenes using NBS and TMSN₃ as the bromine and azide sources. *Tetrahedron Lett.* **2006**, *47*, 7017–7019.
2. Hajra, S.; Bhowmick, M.; **Sinha, D.** Highly regio- and stereoselective asymmetric bromoazidation of chiral α,β -unsaturated carboxylic acid derivatives: Scope and limitations. *J. Org. Chem.* **2006**, *71*, 9237–9240.
3. Hajra, S.; **Sinha, D.**; Bhowmick, M. Metal triflate catalyzed reactions of alkenes, nitriles, and TMSN₃: Synthesis of 1,5-disubstituted tetrazoles. *J. Org. Chem.* **2007**, *72*, 1852–1855.
4. Hajra, S.; Bhowmick, M.; Maji, B.; **Sinha, D.** Design and Synthesis of Chiral *N*-Chloroimidodicarbonates: Application to Asymmetric Chlorination of Silyl Enol Ethers. *J. Org. Chem.* **2007**, *72*, 4872–4876.
5. Hajra, S.; Bar, S.; **Sinha, D.**; Maji, B. Stereoselective One-Pot Synthesis of Oxazolines. *J. Org. Chem.* **2008**, *73*, 4320–4322.
6. Hajra, S.; Maji, B.; **Sinha, D.**; Bar, S. A one-pot stereoselective synthesis of *trans*-1-aryl-2-aminotetralins from 2-arylethyl styrenes. *Tetrahedron Lett.* **2008**, *49*, 4057–4059.

Awards and Honours

GATE (2004): Percentile 98.58, Rank 43.

CSIR-UGC NET (June, 2004): Qualified for JRF (CSIR).

Conference

Participated in **Junior NOST** (2008, Madurai), poster presentation.

Contact

Debarshi Sinha, C/O. Prof. Saumen Hajra, Dept. of Chemistry, IIT Kharagpur.

Mail: ds.chem.org@gmail.com
