

Curriculum Vitae

Shrabani Bisai

Permanent Address

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Date of Birth: 21st October, 1974

Sex- Female

Nationality: Indian

Religion: Hindu

Education

February 2011

Ph.D (In Organic Chemistry) IIT-Kharagpur, India.

Supervisor- Prof. Amit Basak

Thesis Title: “*Chemo and Enzymatic Synthesis of Functionalized Isoxazolidines and Oligomeric Polyphenols and Eneidyne*”

1998-2000

Master of Science in Organic Chemistry, 1st Class (76.60%), Vidyasagar University, West Midnapur, West Bengal, India.

1994-1998

Bachelor of Science in Chemistry (Honours), 1st Class (61.25%), Vidyasagar University, West Midnapur, West Bengal, India.

1994

Higher Secondary (12th standard): First Division (62%), WBCHSE, West Bengal, India.

1990

Secondary/Madhyamik: First Division (74.1%), WBBSE, West Bengal, India.

Technical Skills

- An enthusiastic and motivated chemist with broad experience in multi step synthesis towards the biologically important and structurally attractive rationally designed target molecules.
- Extensive experience in design, synthesis (micro & macro scale), lead identification & optimization of small molecules as warhead of potential drug candidates
- Execution of general purification and separation technique
- Instrumental analysis of small molecules for structure elucidation and evaluation of purity – ^1H and ^{13}C NMR, MS, IR, UV-VIS, DSC, DNA-Gel Electrophoresis.
- Expertise in operating the modern instruments (HPLC, UV-VIS Spectroscopy, Polarimeter, Gel Electrophoresis) used in organic and bioorganic chemistry.
- Experience in operating computer with Sci-Finder, internet explorer, MS-Office, Origin, Adobe acrobat, Chem-Draw etc.

Award & Honors

Qualified GATE examination (Graduate Aptitude Test for Engineers)-**2000, 2002**

Professional Experience

2003 - 2008: Organic Chemistry (theory and lab) in 1st year B. Tech. & M.Sc. at IIT-Kharagpur

Leadership Roles

- Assisted two project students to complete their M.Sc. projects.

List of Publications

- 1) Basak, A.; **Bisai, S.** A divergent chemoenzymatic route to an intermediate for nucleoside analogues. *Bioorg.Med.Chem.Letters*. **2005**, 15, 2625-2628.
- 2) Basak, A.; Das, S.; **Bisai, S.** Studies on the porcine liver esterase-catalyzed hydrolysis of pentaacetyl catechin and epicatechin: Application to the synthesis of novel dimers and trimers. *Bioorg. Med. Chem. Lett.* **2008**, 18, 4900-4903