Curriculum Vitae

Shrabani Bisai

Permanent Address

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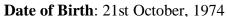
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Sex- Female

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 Enediynes"

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.

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 ¹³C 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.
- Basak, A.; <u>Das, S.</u>; **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