

## Dr. Ishani Das

Assistant Professor  
Department of Chemistry,  
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### Current Position

- Assistant Professor in Chemistry at Sri Ramkrishna Sarada Vidya Mahapitha (A Govt. approved general degree college affiliated to The University of Burdwan), Hooghly, West Bengal (April. 2024 to till date).

### Academic information

- Doctorate:** Ph.D. (2019) in Chemistry from Division of Molecular Medicine, Bose Institute, University of Calcutta, India under the supervision of Prof. Anup Kumar Misra.
- Post Graduate:** M. Sc. (2013) in Organic Chemistry from Department of Chemistry, University of Calcutta, India.
- Undergraduate:** B. Sc. (2011) in Chemistry (Hons.), Department of Chemistry, Bagnan College, University of Calcutta, India.

### Scholarship/Awards

- Qualified National Eligibility Test (NET) and Junior Research Fellowship (CSIR JRF) 2013 in Chemical Science, conducted jointly by University Grant Commission and Council of Scientific and Industrial Research, Govt. of India.
- Senior Research Fellowship (SRF) 2015 by Council of Scientific and Industrial Research, Govt. of India.

### List of Publications

- Efficient Synthesis of the Tetrasaccharide repeating unit of the O-antigen of *Escherichia coli* O174 strain; **Ishani Bhaumik**, Tamashree Ghosh, Anup Kumar Misra, *Carbohydrate Research* (2014) 399, 21-25.
- Expedient Synthesis of a Pentasaccharide related to the O-specific polysaccharide of *Escherichia coli* O117:K98:H4 strain; **Ishani Bhaumik**, Anup Kumar Misra, *RSC Advances* (2014) 4, 61589-61595.
- Expedient synthesis of the pentasaccharide repeating unit of the O-antigen of *Escherichia coli* O86 and its conformational analysis; **Ishani Bhaumik**, Rajiv Kumar Kar, Anirban Bhunia, Anup Kumar Misra, *Glycoconjugate Journal* (2016) 33, 887-896.
- Concise synthesis of a pentasaccharide repeating unit corresponding to the O-antigen of *Salmonella enterica* O51; **Ishani Bhaumik**, Anup Kumar Misra, *Chemistry Select* (2017) 2, 937-939.

5. Convergent Synthesis of the Tetrasaccharide Repeating Unit of the *O*-Polysaccharide of *Salmonella enterica* O41; **Ishani Bhaumik**, Anup Kumar Misra, *Chemistry Select* (2017) 2, 3065-3067.
6. Rapid Transformation of Alkyl Halides into Symmetrical Disulfides Using Sodium Sulfide and Carbon Disulfide; **Ishani Bhaumik**, Anup Kumar Misra, *SynOpen* (2017), 1, 117-120.
7. Natural product inspired allicin analogs as novel anti-cancer agents **Ishani Bhaumik**, Kunal Pal, Utsab Debnath, Parimal Karmakar, Kuladip Jana, Anup Kumar Misra, *Bioorganic Chemistry* (2019), 86, 259-272.
8. Organocatalyzed preparation of 1,4,5-trisubstituted-glycosyl-1,2,3-triazole derivatives Monalisa Kundu, **Ishani Bhaumik**, Anup Kumar Misra, *Glycoconjugate Journal* (2019), 36, 439-450.
9. Novel Sulforaphane Analog Disrupts Phosphatidylinositol-3-Kinase-Protein Kinase B Pathway and Inhibits Cancer Cell Progression via Reactive Oxygen Species-Mediated Caspase-Independent Apoptosis Ananya Dutta, Satyajit Halder, **Ishani Bhaumik**, Utsab Debnath, Debashis Dhara, Anup Kumar Misra, Kuladip Jana, *ACS Pharmacology & Translational Science* (2024), 7, 195–211.

#### **National / International conferences / workshop attended**

- 🏠 Participated in 21<sup>st</sup> ISCB International Conference (ISCBC – 2015) on Current Trends in Drug Discovery and Developments at Central Drug Research Institute, Lucknow, India.
  - 🏠 Attended 3<sup>rd</sup> International Conference on Perspective of Cell Signalling and Molecular Medicine at Bose Institute in 2017.
  - 🏠 Participated the workshop on “Molecular Docking, Virtual Screening & Biologics Discovery” conducted by LLC and Bose Institute in 2016.
  - 🏠 Participated the workshop on the newly introduced UG Chemistry Syllabus for the 4 year Honours Degree Course & the 3 year MDC of the University of Calcutta organized by SCC and University of Calcutta in 2023.
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