

# Biswajit Roy

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## Curriculum Vitae

### Education

2011-Present	<b>Integrated PhD (Chemistry)</b> , Indian Institute of Science Education and Research, Kolkata, CGPA – 8.96 (At completion of Master of Science)
2008-2011	<b>Bachelor of Science (Chemistry)</b> , Siliguri College, University of North Bengal, Percentage of Marks – 65 %
2008	<b>XII-Standard</b> , Siliguri Boys' High School, Siliguri, Percentage of Marks– 84 %
2006	<b>X-Standard</b> , Siliguri Boys' High School, Siliguri, Percentage of Marks– 90 %

### Awards

2014-Present	<b>INSPIRE - AORC</b> (Funded by <b>DST, Govt. of India.</b> )
2011-2014	<b>IISER Kolkata</b> Integrated PhD Fellowship
2012	<b>CSIR-NET</b> (Lectureship)
2008-2011	<b>INSPIRE - SHE</b> (Funded by <b>DST, Govt. of India.</b> )

### Instrument Handling Experience

Nuclear Magnetic Resonance Spectrometry, Mass Spectrometry, High Performance Liquid Chromatography, Ultraviolet-visible and Fluorescence Spectroscopy, Infrared Spectroscopy, Atomic Force Microscopy.

### Computer and computational skills

Basic	LATEX, Computation using Gaussian package
Intermediate	Origin, Linux, Microsoft office

### Research Experience

- Selective recognition of toxic heavy metal ions, biologically crucial anions and environmentally harmful molecules with fluorescent and colorimetric sensors and dosimeters.
- Photoisomerisation studies of organic and as well as metal complex and selective binding of some guest molecules in a particular photoisomerised form.
- Preparation of pharmaceutically important novel heterocyclic architectures via short synthetic routes from readily available substrates.

### Publications

1. **B. Roy**, D. Mondal, J. Hatai, S. Bandyopadhyay, *RSC Adv.*, 2014, **4**, 56952.
2. S. A. Rahaman, **B. Roy**, S. Mandal, S. Bandyopadhyay, *Inorg. Chem.*, 2016, **55**, 1069.
3. A. Rananaware, M. Samanta, R. S. Bhosale, M. A. Kobaisi, **B. Roy**, V. Bheemireddy, S. V. Bhosale, S. Bandyopadhyay, S. V. Bhosale, *Sci. Rep.*, 2016. (DOI: 10.1038/srep22928).