



BIPRAJIT PAUL

PhD Chemistry

❖ PERSONAL INFO

DATE OF BIRTH: 26 June, 1996

NATIONALITY: Indian

BLOOD GROUP: AB+

❖ CONTACT

Prafullanagar, Ashoknagar-Kalyangarh (m), North 24 PGS, West Bengal, India. Pin: 743268

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❖ LANGUAGES

Bengali, English, Hindi

❖ ACHIEVEMENTS

- Selected for PMRF in May 2021 cycle
- Qualified for lectureship in Joint CSIR-UGC NET Exam. December 2018 (Rank 10), June 2019 (Rank 15).
- Qualified GATE-2019 (AIR 352), GATE-2020 (AIR 494).
- INSPIRE scholarship holder of batch 2014

❖ RESEARCH SKILLS

- Organic and organometallic synthesis
- Photo-mediated organic synthesis
- Transition-Metal catalysis
- Ball-mill-assisted organic reactions

❖ INSTRUMENTAL SKILLS

- UV-Spectrophotometer
- IR- Spectrometer
- FL-Spectrophotometer
- Cyclic Voltameter



EDUCATION

□ 2020–2025: PhD in Chemistry

(IIT Ropar, Rupnagar, Punjab, India)

Completed PhD in chemistry from Dept. Of Chemistry, IIT Ropar

□ 2017–2019: Master of Science (Chemistry)

(Jadavpur University, Kolkata-700032, WB, India)

Completed *post-graduation with specialization in Organic Chemistry*, securing 77%.

□ 2014–2017: Bachelor of Science (Chemistry)

(Jadavpur University, Kolkata-700032, WB, India)

Completed the graduation in Chemistry, securing 74.7%.

□ 2012–2014: Higher Secondary (10+2 level)

(West Bengal Council of Higher Secondary Education)

Qualified Higher Secondary Examination, securing 90.2%.



RESEARCH EXPERIENCE

□ 2020–2025: PhD Scholar, IIT Ropar, Rupnagar, Punjab.

Thesis Title: Transition Metal & Photoredox Catalysis: The Modern Approach Towards C_{sp}^2 -Heteroatom Bond Formation

Supervisor: Dr. Indranil Chatterjee, Associate Professor, Department of Chemistry, IIT Ropar.

Year Awarded: 2025

□ Jul. 2019–Jan. 2020: Project Intern, IACS, Kolkata, WB.

Supervisor: Prof. Brindaban C. Ranu, INSA Senior Scientist.

Year Awarded: 2020

□ Jan. 2019–Apr. 2019: MSc Internship Fellow, Jadavpur University, Kolkata, WB.

Supervisor: Dr. Samit Guha, Assistant Professor, Department of Chemistry, Jadavpur University.

Year Awarded: 2019



TEACHING EXPERIENCE

□ Jul. 2023 – Jun. 2025: Rayat Bahra University

Teaching assistant for postgraduate students.

□ Jan. 2025 to Mar. 2025: IIT Ropar

Teaching assistant for undergraduate students, laboratory instructor

□ Jan. 2023 – Mar. 2023: IIT Ropar

Teaching assistant for undergraduate students, laboratory instructor.

PUBLICATIONS

1. Paul, B.; Das, S.; Mahapatra, S. K.; Roy, L.; Chatterjee, I. Merging photochemical olefin metathesis with an amination reaction. *ACS Catal.* **2025**, *15*, 13810–13820.
2. Paul, B.; Samanta, S.; Das, S.; Chatterjee, I. Ir (III)-Photocatalyzed Stereoselective Synthesis of 2-Azadienes. *Org. Lett.* **2025**, *27*, 8028–8033.
3. Panja, S.; Paul, B.; Saha, A.; Roy, K.; Nandi, C.; Majhi, B.; Adak, L.; Ranu, B. C. Ruthenium-Catalyzed Site-Selective Annulation of Benzoxazinones: An Easy Access to Dihydroisoquinoline Benzamide Derivatives. *Chem. Eur. J.* **2025**, *31*, e202500512.
4. Panja, S.; Paul, B.; Mandal, A. Developments in Suzuki-Miyaura cross coupling reaction (SMR) towards green synthesis, Ver. 1. ChemRxiv, 28 January 2025. DOI: 10.26434/chemrxiv-2025-mf5t7.
5. Paul, B.; Ghosh, S.; Das, S.; Chatterjee, I. Fe(III)-catalyzed *p*-selective C–H bond chalcogenation of phenols. *Org. Biomol. Chem.* **2024**, *22*, 8133–8137.
6. Paul, B.; Das, S.; Chatterjee, I. Copper-Catalyzed Regioselective Remote C–H Bond Chalcogenation of Aromatic Amine Derivatives without Using Any Large Template. *Org. Lett.* **2023**, *25*, 653–658.
7. Paul, B.; Paul, H.; Chatterjee, I. Photoredox-Mediated Desulfonylative Radical Reactions: An Excellent Approach Towards C–C and C–Heteroatom Bond Formation. *Synthesis* **2022**, *54*, 5409–5422.
8. Patel, S.; Paul, B.; Paul, H.; Shankhdhar, R.; Chatterjee, I. Redox-active alkylsulfones as precursors for alkyl radicals under photoredox catalysis. *Chem. Commun.* **2022**, *58*, 4857–4860.
9. Paul, B.; Mukherjee, A.; Bhuyan, D.; Guha, S. Construction of unsymmetrical bis-urea macrocyclic host for neutral molecule and chloride-ion binding. *J. Heterocycl. Chem.* **2021**, *58*, 2033–2038.
10. Panja, S.; Paul, B.; Jalal, S.; Ghosh, T.; Ranu, B. C. Mechanochemically Induced Chalcogenation of Bicyclic Arenes under Solvent-, Ligand-, Metal-, and Oxidant-Free Conditions. *ChemistrySelect* **2020**, *5*, 14198–14202.

❑ CONFERENCES ATTENDED

Conference	Venue	Participation
CRIKC symposium- RABMC- 2022	NIPER Mohali Mohali, Punjab, India	Poster presentation (Best Poster Award)
PMRF Annual Symposium- 2023	IIT Madras, Chennai, Tamil Nadu, India.	Poster presentation
IFSC Symposium- 2023	IISER TVM, Thiruvananthapuram, Kerala	Poster presentation
CRIKC symposium- RABMC- 2024	Punjab University, Chandigarh, Punjab	Poster presentation
ACS Publications Symposium	University of Vienna, Vienna, Austria.	Poster presentation
ISCHA-2024	IIT Bombay Mumbai, Maharashtra, India	Poster presentation
PMRF Annual Symposium-2025	IIT Hyderabad Sangareddy, Telangana, India	Poster presentation

❑ REFEREES

❖ Dr. Indranil Chatterjee

Associate Professor, Indian Institute of Technology, Ropar.

Email: indranil.chatterjee@iitrpr.ac.in

❖ Prof. Brindaban C. Ranu

SERB Distinguished Fellow and INSA Honorary Scientist, IACS, Kolkata, WB.

Email: ocbcr@iacs.res.in

❖ Prof. Samaresh Bhattacharya

Professor, Department of Chemistry, Jadavpur University, Kolkata, WB.

Email: sbhattacharya@chemistry.jdvu.ac.in

❖ Dr. Samit Guha

Assistant Professor, Department of Chemistry, Jadavpur University, Kolkata, WB.

Email: samitfsu@gmail.com