

## SOUMITRA MAITY, *Ph.D.*

Deptt. Chemistry & Chemical Biology  
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### *Personal Details*

Place of Birth: Purba Medinipur, West Bengal

Sex: Male

Marital Status: Married

Nationality: Indian

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### *Professional Experiences*

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| 13.04.2022 – Present | Associate Professor<br>IIT(ISM), Dhanbad   |
| 2015 – 12.04.2022    | Assistant Professor<br>IIT(ISM), Dhanbad   |
| 2013 – 2014          | AcSIR Assistant Professor, INSPIRE Faculty<br>CSIR-Central Salt and Marine Chemicals Research Institute<br>Bhavnagar, Gujarat 364002 |

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### *Education and Research Experiences*

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| 2012 – 2013 | Postdoctoral Fellow<br><i>Advisor:</i> Professor Thomas Maimone<br>University of California-Berkeley, California, USA<br><i>Topic:</i> <i>Total synthesis of Natural Products</i>                      |
| 2010 – 2012 | Postdoctoral Fellow<br><i>Advisor:</i> Professor Nan Zheng<br>University of Arkansas, Arkansas, USA<br><i>Topic:</i> <i>Synthetic methods development by photoredox catalysis</i>                      |
| 2005 – 2010 | Ph.D. in Organic Chemistry<br><i>Advisor:</i> Professor Subrata Ghosh<br>Indian Association for the Cultivation of Science, Kolkata, India<br><i>Topic:</i> <i>Total Synthesis of Natural Products</i> |
| 2002 – 2004 | M.Sc in Organic Chemistry<br>Science College, University of Calcutta   |
| 1999 – 2002 | B.Sc in Chemistry with Honors<br>Ramakrishna Mission Residential College, Narendrapur, C.U   |

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### *Awards and Fellowship*

- **INSPIRE Faculty Award:** July 2013 (DST), India.
- **Doctoral Fellowship:** Feb 2005 – Aug 2010 (CSIR), India.
- **National Eligibility Test (NET- 2004):** Qualified as JRF, Council of Scientific and Industrial Research (CSIR), India.
- **Graduate Aptitude Test (GATE-2004):** Percentile: 99.06; All India rank: 30.
- **National Scholarship** from Government of India, (1999-2002).

### *Membership*

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- Life member (F/8095), Indian Chemical Society, Kolkata.

### *Course Taught*

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- Chemistry (1<sup>st</sup> B. Tech- Common)
- Instrumental Methods for Environmental Analysis (V<sup>th</sup> B. Tech- Env Sc. & Engg.)
- Physical Chemistry (V<sup>th</sup> B. Tech- Pet. Engg.)
- Chemistry I (1<sup>st</sup> B. Tech- Preparatory)
- Instrumental Techniques in Chemistry I (JRF course)
- Organic Reaction, Mechanism & Stereochemistry (Msc, 1<sup>st</sup> sem)
- Synthetic Organic Chemistry (Msc, 2<sup>nd</sup> sem)
- Application of Spectroscopic Methods (Msc, 3<sup>rd</sup> sem)
- Modern Methods in Organic Synthesis (Msc, 3<sup>rd</sup> sem)
- Heterocyclic Chemistry (Msc, 4<sup>th</sup> sem)
- Advanced Methods in Organic Synthesis (JRF course)

### *Research Interests*

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- Organo-Catalysis
- Photo-Redox Catalysis
- Synthetic Methodology Development
- Total Synthesis of Natural Products

### *Reviewer of Journals*

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- ACS: ACS-Catalysis; Org. Lett; J. Org. Chem.
- RSC: Org. Biomol. Chem.; RSC Advances.
- Elsevier: Tet. Lett.; Cat. Commun.
- Wiley: Asian J. Org. Chem.; Chemistry Select.

### *Publications*

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Internation-26, National-01

### *Selected:*

- “Zinc Acetate-Promoted Blocking of ATRA Process with Alkyl Halides Enabling Photochemical Alkylamination of Olefins” A. samanta, S. Pramanik, S. Mondal and S.

Maity\*, *Chem. Commun.*, **2022**, 58, 8400.

• “Organic Dye-Catalyzed Intermolecular Radical Coupling of  $\alpha$ -Bromocarbonyls with Olefins: Photocatalytic Synthesis of 1, 4-Ketocarbonyls Using Air as an Oxidant” S. Roy Chowdhury, D. Singh, I. Ul Hoque, and S. Maity\*, *J. Org. Chem.*, **2020**, 85, 13939.

• “Photoredox-Catalyzed Intermolecular Radical Arylthiocyanation/Arylselenocyanation of Alkenes: Access to Aryl-Substituted Alkylthiocyanates/Alkylselenocyanates” I. Ul Hoque, S. Roy Chowdhury and S. Maity\*, *J. Org. Chem.*, **2019**, 84, 3025-3035.

**Highlighted in:** \* *Featured Article*

\* *Journal Cover Art:* volume 84, Issue 6, March 15, 2019.

• “TBAI/TBHP-Promoted Generation of Malonyl Radicals: Oxidative Coupling with Styrenes Leads to  $\gamma$ -Keto Diesters” S. Roy Chowdhury, I. Ul Hoque and S. Maity\*, *Chem. Asian. J.*, **2018**, 13, 2824.

• “A visible-light-mediated oxidative C-N bond formation/aromatization cascade: Photocatalytic preparation of N-Arylindoles” Soumitra Maity and Nan Zheng\*, *Angew. Chem. Int. Ed.*, **2012**, 51, 9562.

• “Intermolecular [3+2] Cycloaddition of Cyclopropylamines with Olefins by Visible-Light Photocatalysis” Soumitra Maity, Mingzhao Zhu, Ryan Spencer Shinabery and Nan Zheng\*, *Angew. Chem. Int. Ed.*, **2012**, 51, 222.

**Highlighted in:** \* *Science Daily*

\* *Synform 2012/4.*

### ***Poster and Paper Presentation***

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• National conference on “Recent Developments in Chemistry-2018” at NIT Durgapur (17–19th Dec, 2018) poster presentation by Injamam Ul Hoque from our group and selected the best poster award.

• XIV J-NOST Conference for Research Scholars, CSIR-IICT, Hyderabad (28th November–1st December, 2018) oral presentation by Soumyadeep Roy Chowdhury from our group.

• APCC International Seminar, A.P. C college (6–7th August, 2018) poster presentation by Soumyadeep Roy Chowdhury from our group and selected the best poster award.

• III J-NOST Conference for Research Scholars, GNDU, Amritsar (November’15-18, 2007) oral presentation.

• Poster presentation at NSCT in Chemistry, University of Kalyani, India, Jan’30-31, 2007.

*Invited Lecture*

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- Recent Trends in Chemical Sciences (RTCS-2018), Surendranath Evening College, Kolkata, 05-06<sup>th</sup> October'2018.