

## GENERAL INFORMATION

1. **Name (Block letters)** : DR. RAJIB SARKAR
2. **Current Designation** : Assistant Professor in W.B.E.S.
3. **Phone No.** : 09143373934
4. **E-mail:** : rajibsarkar.org@gmail.com
5. **Educational Qualification (Graduation onwards):**

DEGREE	YEAR	UNIVERSITY
B.Sc.	2010	Jadavpur University
M.Sc.	2012	Jadavpur University
Ph.D.	2015	IISER-Kolkata

6. **Teaching Experience** : 8.5 yrs
7. **Field of Specialization** : Organic Chemistry
8. **Courses Taught/Teaching:** Stereochemistry, Basic Inorganic Chemistry, Green Chemistry, Pharmaceutical Chemistry, Bio-organic and Bio-inorganic Chemistry.
9. **Conferences/Seminars/Workshops:**

Sl. No.	Title of the paper presented	Title of Conference/Seminar	Organized by	International/National/State/Regional/College/University level
1.	$\alpha$ -Aminoisobutyric acid based chain inversion.	Recent Advances in Molecules and Materials (2 <sup>nd</sup> & 3 <sup>rd</sup> August, 2018).	Haldia Institute of Technology & The Indian Chemical Society	International Conference
2.	Modernity in daily life & its impact on Environment: A Chemical analysis.	Rethinking Modernity: Interdisciplinary Perspectives (11 <sup>th</sup> & 12 <sup>th</sup> August, 2018)	Aliah University	International Conference
3.	Nitropeptide derived pd embedded $Fe_3O_4$ nanoparticles: A green catalyst for Suzuki-Miyaura cross-coupling reaction.	Shifting Paradigm for Sustainable Development (18 <sup>th</sup> & 19 <sup>th</sup> December, 2021)	Jharkhand Rai University	International Conference
4.	Synthesis of peptide stabilized magnetic nanoparticle-Pd	Sustainable Development: Issues, Prospects and	Jadavpur University	International Conference

	Conjugate: A step towards the sustainable development of environment-friendly catalysis	Challenges (17 <sup>th</sup> & 18 <sup>th</sup> August, 2022)		
5.	Electrochemistry-induced modification of peptides and proteins	Recent Advances on Green & Sustainable Developments. (6 <sup>th</sup> -8 <sup>th</sup> September, 2023)	Akul University, Punjab.	International Conference

## 10. Publication

### (i) Published Papers in Journals

Sl. No.	Title with page no.	Journal	ISSN No.	Whether peer reviewed. Impact factor, if any
1	$\alpha$ -Aminoisobutyric acid: A single amino acid chain inverter. Page No. 971-974.	Journal of Indian Chem. Society, 2018, 95.	0019-4522	Peer reviewed (IF 1.3)
2.	Synthesis of carbostyryl-based amino acid and foldamers. Page No. 53-74.	Trends in Organic Chemistry, 2020, 20	0972-4362	Peer reviewed
3.	Chemistry of Ink. Page No. 46-53.	Conscientia, 2021, 9	2278 - 6554	Peer reviewed
4.	Nitropeptide derived pd embedded Fe <sub>3</sub> O <sub>4</sub> nanoparticles: A green catalyst for C-C bond formation reaction. Page No. 78-86.	Kanpur Philosophers, 2022, 9, 5 (II).	2348-8301	Peer reviewed
5.	Protecting group assisted structural diversity: $\beta$ -sheet to rhombus-shaped structure of a short aromatic $\gamma$ -peptide. Page No. 191-198.	Arkivoc, 2022, vi.	1551-7012	Peer reviewed (IF 0.9)
6.	Organic Electrosynthesis: A Promising Green Tool in Solving Key Steps for the Total Synthesis of Complex Natural Products. Page No. 148-171.	Current Green Chemistry, 2024, 2.	2213-3461	Peer reviewed (IF 2.2)

7.	Electrochemistry-enabled residue-specific modification of peptides and proteins. Page no- 1085-1101.	Org. Biomol. Chem., 2024, 22.	1477-0539	Peer reviewed (IF 3.2)
8.	Discovery and development of tyrosine-click (Y-click) reaction for site-selective labelling of proteins.	ChemComm. Advance Article, 2024.	1359-7345	Peer reviewed (IF 4.9)

**(ii) Articles/Chapters published in Books**

<b>Sl. No.</b>	<b>Title with page no.</b>	<b>Book title, editor &amp; publisher</b>	<b>ISSN/ISBNNo. (Or, Renowned publishers) See Cat1-4 as above for scores</b>	<b>Whether peer reviewed</b>
1.	Self-Assembly of Short Synthetic Peptides: Effect of Amino Acid Sequence, Peptide Concentration, pH and Sonication. Page no-95-104	<b>Editor:</b> Dr. Prabhuswamy M <b>Publisher:</b> Dr. Prabhuswamy M.	<b>ISBN:</b> 978-93-5566-403-7	Peer Reviewed
2.	Structural Transformation of Synthetic Peptides	Evdochia Popa <b>Publisher:</b> LAP-LAMBERT	<b>ISBN:</b> 978-620-6-76850-0	Peer Reviewed

11. **Research Guidance (PhD/Phil, M. Sc Project/ B. Sc Project):** 05

12. **Project (UGC/DST/etc)** :NIL

13. **Consultancy/Extension work** :NIL

14. **Membership of Academic Institution** : Life member of Indian Chemical Society.

15. **Awards** : JRF (CSIR)