

Dr. Sujit Ghosh

Position/Designation	Assistant Professor (Stage-3)
Department	Chemistry
Specialization	Organic Chemistry

Education

Degree	Field of Study	Institution	Year
Madhyamik	-	Raiganj Coronation High School	2000
Higher Secondary	Science Stream	Raiganj Coronation High School	2002
B.Sc	Chemistry (Honours)	Raiganj College (University College)	2005
M. Sc.	Organic Chemistry	University of North Bengal	2007
Ph.D.	Organic Chemistry	University of North Bengal	2017

Contact Information

- Mobile: +91 9434961143
- Email: sujit2484@gmail.com

Teaching Experience

- Served as Assistant Teacher in Dwarin High School, P.O: Karandighi, Dist: U/D from 20.09.2007 to 31.05.2008
- Serving as Assistant Professor in Raiganj Surendranath Mahavidyalaya since 17.03.2010

Important Link

www.rsmraiganj.in

<https://scholar.google.com/citations?user=PA03BIQAAAAJ&hl=en>

<https://www.researchgate.net/profile/Sujit-Ghosh-13>

Competitive exam qualified and other job opportunities:

- West Bengal School Service Commission (2006)
- CSIR-NET (2007)
- West Bengal State Eligibility Test (2008)
- BARC (2008)
- GATE (2009)
- Selected as Chemist in Chembiotech, Kolkata (2007)
- Selected as Chemist in Indian Institute of Petroleum, Dehradun (2007)
- Recommended as Lecturer in Chemistry at Jalpaiguri Govt. Engineering College (2010) by West Bengal Public Service Commission

Research Interests

- New Reaction Methodologies, Green Chemistry, Organometallic Chemistry, Heterogeneous Catalyst

Teaching Responsibilities

- Undergraduate course in Chemistry as per University of Gour Banga Syllabus (CBCS and NEP)
- Topics taught at the UG level: Entire Organic Syllabus (Theory & Practical)

Administrative and Other Responsibilities

- Member, IQAC Committee
- Member, Library Committee
- Member, Anti-Ragging Committee

Publications

Research Article

1. "Highly effective alternative aryl trihydroxyborate salts for a ligand-free, on-water Suzuki-Miyaura coupling reaction" Basudeb Basu*, Kinkar Biswas, Sekhar Kundu and Sujit Ghosh, *Green Chem.*, 2010, 12, 1734–1738. <https://doi.org/10.1039/C0GC00122H> (IF: 11.03)
2. "Graphene oxide (GO) or reduced grapheme oxide (rGO): efficient catalysts for one pot metal-free synthesis of quinoxalines from 2-nitroaniline" Babli Roy, Sujit Ghosh, Pranab Ghosh and Basudeb Basu*, *Tetrahedron Lett.*, 2015, 56, 6762–6767. <https://doi.org/10.1016/j.tetlet.2015.10.065> (IF: 2.03)
3. "Cyclic ammonium salts of dithiocarbamic acid: stable alternative reagents for the synthesis of S-alkyl carbodithioates from organyl thiocyanates in water", Kinkar Biswas, Sujit Ghosh, Pranab Ghosh and Basudeb Basu*, *J. Sulfur Chem.*, 2016, 37, 1–16. <https://doi.org/10.1080/17415993.2016.1166225> (IF: 2.35)

4. "An unexpected *ortho*-hydroxyl effect in metal catalyst-free A³ coupling reaction", Sujit Ghosh, Kinkar Biswas, Pranab Ghosh and Basudeb Basu*, *Beilstein J. Org. Chem.*, 2017, 13, 552–557. <https://doi.org/10.3762/bjoc.13.53> (IF: 2.54)
5. "Stabilized Cu₂O Nanoparticles on Macroporous Polystyrene Resins [Cu₂O@ARF]: Improved and Reusable Heterogeneous Catalyst for On-Water Synthesis of Triazoles via Click Reaction" Sujit Ghosh, Debasish Sengupta, Sankar Saha, Shreyasi Chattopadhyay, Goutam De* and Basudeb Basu*, *Ind. Eng. Chem. Res.*, 2017, 56 (41), 11726–11733. <https://doi.org/10.1021/acs.iecr.7b02656> (IF: 4.32)
6. "Suitably fabricated ternary nanocomposite (Cu-CuO@rGO-SiO₂) as sustainable and common heterogeneous catalyst for C–S, C–O & C–N coupling reactions" Prasun Choudhury, Sujit Ghosh, Kinkar Biswas and Basudeb Basu* *Nanoscale*, 2024. <https://doi.org/10.1039/D4NR01116C> (IF: 6.7)

Review Article

1. "Advances and Prospects of Graphene Oxide (GO) as Heterogeneous 'carbocatalyst'", Debasish Sengupta, Sujit Ghosh and Basudeb Basu*, *Current Org. Chem.*, 2017, 21, 834–854. <http://dx.doi.org/10.2174/1385272820666161021102757> (IF: 2.23)
2. "Microwave-induced Triazole Synthesis via 1,3-dipolar azide-alkyne cycloaddition: Recent Advances", Sujit Ghosh and Basudeb Basu*, *Current Green. Chem.*, 2017, 3, 19 –213. <http://dx.doi.org/10.2174/2213346104666170130143600> (IF: 2.2)
3. "Task-Specific Properties and Prospects of Ionic Liquids in Cross-Coupling Reactions" Bablee Mandal, Sujit Ghosh and Basudeb Basu*, *Top. Curr. Chem.*, 2019, 377, 1– 43. (IF: 7.41)
4. "Ion-exchange Resins and Polypeptide Supported Catalysts: A Critical review", Kinkar Biswas, Sujit Ghosh and Basudeb Basu*, *Current Green Chem.*, 2020, 7, 40– 52. (IF: 2.2)
5. "Recent Advances in Microwave Promoted C-P Cross-coupling Reactions", Sujit Ghosh, Kinkar Biswas and Basudeb Basu*, *Current Microwave Chem.*, 2020, 7, 112–122. (Peer Reviewed)

6. "Metal-free multicomponent approach for the synthesis of propargylamine: a review", Sujit Ghosh, Kinkar Biswas*, *RSC Adv.*, 2021, 11, 2047–2065. (IF: 4.04)
7. Microwave-assisted synthesis of indolizine derivatives: Recent developments: A review (2003-present) Sujit Ghosh, Kinkar Biswas*, *Synth. Commun.*, 2023, 54, 1-21. (IF: 1.937)

Book Chapter

1. Recent Development of Graphene Quantum Dot (GQD) In Drug Delivery:(2018-2023)_February, 2024, In "Sustainable Research Practices in Chemical Science"p. 62-83, Walnut Publisher, ISBN: 978-93-5911-910-6 (International Publishers).
2. Recent approaches toward the synthesis of 1,2,3-triazoles using multicomponent technique. December, 2023, In "Muticomponent Synthesis". p. 253- 303, De Gruyter, ISBN: 978-311-0-98611-2 (International Publisher).
3. Ion Exchange Resin: A Versatile Heterogeneous Catalyst: Recent Update_p. 115-126, May, 2023, In "Application of Some Carbonaceous Materials: An Emerging Trend" Lambert Publishers, ISBN: 978-620-6-16133-2 (International Publisher).
4. Applications of Indole-based derivatives in Therapeutic/Medicinal Use: Recent development_In "Recent Advancement in Therapeutic Use of Chemical Compounds and Drug Delivery", Chapter-10, p. 113- 126, Walnut Publishers, ISBN: 978-9-390785-16-2 (Paperback); 978-9-390785-24-7 (eBook), (International Publisher)
5. "Cross Dehydrogenative Coupling" (CDC) reaction: Mechanism and intermediates with recent reports_(Book Chapter Published in November 2021) Chapter-2, p. 50-65, November, 2021 under Chemical Science, In "A Book on Fascinating Science", Reader Service Publishers, ISBN 978-93-82623 (National Publisher)

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