

# Curriculum Vitae



## Contact details

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## Teaching Interest:

Organic Name Reactions, Reagent Chemistry, Pericyclic Reactions, Heterocyclic Chemistry, Organic Spectroscopy

## Research Interest:

New Reaction Methodologies, Green Chemistry, Organometallic Chemistry

Name: Dr. Sujit Ghosh

Assistant Professor

Raiganj Surendranath Mahavidyalaya

Date of joining: 17.03.2010 [≈14 years]

## Educational Details

Sl. no.	Degree	School / College / University	Year	%age of Marks
1.	Madhyamik	Raiganj Coronation High School	2000	87%
2.	Higher Secondary	Raiganj Coronation High School	2002	80%
3.	B.Sc (Chemistry)	Raiganj University College	2005	69%
4.	M.Sc (Organic Specialization)	University of North Bengal	2007	77%
5.	Ph.D	University of North Bengal	2017	-

## Title of Ph.D. Thesis:

**“GREENER APPROACH TOWARDS ORGANIC TRANSFORMATIONS: APPLICATION OF TRANSITION METAL CATALYSTS AND ECO-FRIENDLY REACTION MEDIA”**

## Supervisor:

**Professor Basudeb Basu, Dept. of Chemistry, University of North Bengal**

## Competitive exams qualified:

**CSIR-NET (2007), SET (2008), BARC (2008), GATE (2009)**

## Teaching & Research Experience

Sl. no.	Designation	School / College / University	Time period
1.	Assistant Teacher	Dwarin High School	20.09.2007 to 31.05.2008
2.	Research Scholar (CSIR-JRF)	Dept. of Chemistry, NBU [For Ph.D. degree]	02.06.2008 to 16.03.2010
3.	Assistant Professor (Stage-1)	Raiganj Surendranath Mahavidyalaya	17.03.2010 to 16.03.2016
4.	Teacher Fellow (UGC-FDP)	Dept. of Chemistry, NBU [For Ph.D. degree]	20.08.2014 to 19.08.2016
5.	Assistant Professor (Stage-2)	Raiganj Surendranath Mahavidyalaya	17.03.2016 to 16.03.2021
6.	Assistant Professor (Stage-3)	Raiganj Surendranath Mahavidyalaya	17.03.2021 to till date

## Other job opportunities

1.	Selected as Chemist in <b>Chembiotech</b> , Kolkata in 2007 ( <b>not joined</b> )
2.	Selected as Chemist in <b>Indian Institute of Petroleum</b> , Dehradun in 2007 ( <b>not joined</b> )
3.	Recommended as Lecturer in Chemistry at <b>Jalpaiguri Govt. Engineering College</b> in 2010 by WBPS ( <b>not joined</b> )

## List of Research Publications and Review Articles

### Research Publications

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. (IF: 11.03)
2. "Graphene oxide (GO) or reduced graphene 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. (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. (IF: 2.35)
4. "An unexpected *ortho*-hydroxyl effect in metal catalyst-free A<sup>3</sup> coupling reaction", **Sujit Ghosh**, Kinkar Biswas, Pranab Ghosh and Basudeb Basu\*, *Beilstein J. Org. Chem.*, **2017**, *13*, 552–557. (IF: 2.54)
5. "Stabilized Cu<sub>2</sub>O Nanoparticles on Macroporous Polystyrene Resins [Cu<sub>2</sub>O@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. (IF: 4.32)

### Review Articles Published

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. (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. (Peer Reviewed)
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. (Peer Reviewed)
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**, 24. <https://doi.org/10.1080/00397911.2023.2297064>. (IF: 1.937)

### **Book Chapter Published**

1. “Application of Selective Carbon-Based Nano Material for Targeted Drug Delivery”, 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).
2. “Cross Dehydrogenative Coupling” (CDC) reaction: Mechanism and intermediates with recent reports” 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).
3. “Applications of Indole-based derivatives in Therapeutic/Medicinal Use: Recent development” Chapter- 10, p. 94-111, January, 2022, In “Recent Development of Chemical Research being Implemented in Biology and Medicine” Walnut Publishers, ISBN: 978-93-5574-019-9 (Paperback); 978-93-5574-029-8 (eBook) (International Publisher).
4. “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).
5. “Recent approaches towards the synthesis of 1,2,3-triazoles using multicomponent techniques.” p. 253-303 December, 2023, In “Muticomponent Synthesis”. De Gruyter, ISBN: 978-311-0-98611-2 31.12.2023 (International Publisher).

<b>Presentation &amp; Participation in various National and International Seminar/Workshop/Symposia</b>			
	<b>National</b>	<b>International</b>	<b>Total</b>
<b>Presented Paper (Oral/Poster)</b>	<b>10</b>	<b>6</b>	<b>15</b>
<b>Participation</b>	<b>18</b>	<b>2</b>	<b>20</b>

<b>Research interest Score</b>	<b>Citations</b>	<b>h-index</b>	<b>i10-index</b>
<b>136.2</b>	<b>186</b>	<b>7</b>	<b>7</b>

<b>Very few Extracurricular achievements</b>	
<b>1.</b>	1 <sup>st</sup> position in quiz (Champion), University competition 2007, NBU
<b>2.</b>	1 <sup>st</sup> position in Cricket (Champion), University competition 2007, NBU
<b>3.</b>	3 <sup>rd</sup> position in Adda Rivalry, University competition 2007, NBU

<b>Administrative activity at RSM (past/present)</b>	
<b>1.</b>	<b>Teacher-in-Charge, RSM (01.06.2021-30.11.2021)</b>
<b>2.</b>	Member, IQAC, RSM (2016 to 2022)
<b>3.</b>	Member, Library Committee (2022 to continuing)
<b>4.</b>	Member, PMU, RUSA 2.0, RSM (2018 to continuing)
<b>5.</b>	Secretary, RSM-ECCS (2017 to continuing)
<b>6.</b>	Convener, Purchase Committee, RSM (2022 to continuing)
<b>7.</b>	Convener, Website maintenance Committee (2022 to continuing)