

# Curriculum Vitae

## Dr. GARGI PAL

Ph.D. in CHEMISTRY

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## Academic Qualification

Qualification	Board/Univer sity	Name of the Institution	Subjects	Year of Passing	Percentage of Marks Obtained
Madhyamik (10 Equivalent)	W.B.B.S.E.	Rahara Bhabanath Institution for Girls	English, Bengali, Physical Sc., Life Sc., Mathematics, History, Geography, Biology	2001	85.87
Higher Secondary (10+2 Equivalent)	W.B.C.H.S.E	Rahara Bhabanath Institution for Girls	English, Bengali, Mathematics, Physics, Chemistry, Biology	2003	80.1
Bachelor of Science	University of Calcutta	Bethune College	Chemistry (Honours), Physics, Mathematics, English, Bengali, Environmental Sc.	2007	66.87
Master of Science	University of Calcutta	University College of Science Technology & Agriculture	Organic (Special), Inorganic, Physical and Analytical Chemistry	2009	77.7
Ph.D in Chemistry	University of Calcutta	University College of Science Technology & Agriculture	Organic synthesis and synthetic methodologies	2014	-



## Academic Achievements/Awards

- Obtained Kananbala Mukherjee Memorial Scholarship, Sontosh Memorial Medal and Radharani Bhattacharya memorial medal for Highest Proficiency in Chemistry Honours in Bethune College.

- Qualified in the CSIR-UGC test for Junior Research Fellowship (NET) held on December, 2009 (CSIR, Rank 211) and June, 2010 (CSIR, Rank 112).



## Research Experience

Ph.D. thesis title: Synthetic Studies Exploring Catalyzed Organic Reactions for the Construction of Heterocyclic Systems.

### ❖ Publications:

1. “Graphene oxide nanosheets: a highly efficient and reusable carbocatalyst catalyzes the Michael cyclization reactions of 4-hydroxycoumarins, 4-hydroxypyronone and 4-hydroxy-1-methylquinolinone with chalcone derivatives in aqueous media” Nazia Kausar, Partha Pratim Ghosh, **Gargi Pal**, Asish R. Das, RSC Advances, 2015, 4, 8300-8307.
2. “A facile and efficient synthesis of functionalized 4-oxo-2-(phenylimino)thiazolidin-5-ylideneacetate derivatives via CuFe<sub>2</sub>O<sub>4</sub> magnetic nanoparticles catalyzed regioselective pathway”, **Gargi Pal**, Sanjay Paul, Asish R. Das, New Journal of Chemistry, 2014, 38, 2787-2791.
3. “PhIO promoted synthesis of nitrile imines and nitrile oxides within micellar core in aqueous media: A regiocontrolled approach to synthesize densely functionalized pyrazole and isoxazoline derivatives”, **Gargi Pal**, Sanjay Paul, Partha Pratim Ghosh, Asish R. Das, RSC. Advances, 2014, 4, 8300-8307.
4. “Three-component synthesis of a polysubstituted pyrrole core containing heterocyclic scaffolds over magnetically separable nanocrystalline copper ferrite”, Sanjay Paul, **Gargi Pal** and Asish R. Das, RSC Advances, 2013, 3, 8637-8644.
5. “Alum-Catalyzed Synthesis of 3-(1*H*-Pyrrol-3-yl)-2*H*-chromen-2-ones: A Water-PEG 400 Binary Solvent Mediated, One-Pot, Three-Component, Protocol”, **Gargi Pal**, Sanjay Paul, Asish R. Das, Synthesis, 2013, 45, 1191-1200.
6. “Design and synthesis of coumarinyl 1,4-benzodioxanes as potential anti-oxidant”, Asish R. Das, **Gargi Pal**, Pranabes Bhattacharyya, Arnab K. Ghosh, Debasri Mukherjee, Debasish Bandyopadhyay, Tetrahedron Letters, 2012, 53, 7060-7066.
7. “Design and synthesis of benzylpyrazolyl coumarin derivatives via a fourcomponent reaction in water: investigation of the weak interactions accumulating in the crystal structure of a signified compound”, Partha Pratim Ghosh, **Gargi Pal**, Sanjay Paul and Asish R. Das, Green Chemistry, 2012, 14, 2691-2698.
8. “A new strategy for the one pot synthesis of (aryloxyimino)ethylcoumarins promoted by CuCl<sub>2</sub>”, **Gargi Pal**, Pranabes Bhattacharyya, Arunima Medda, Asish R. Das, Journal of Chemical Research, 2012, 36, 5-8.
9. “A Convenient and Expeditious Synthesis of Biologically Potent Aryloxycoumarins and (Aryloxyimino)ethylcoumarins via Copper(II)-Promoted Chan-Lam-Evans Coupling Reaction”, Arunima Medda, **Gargi Pal**, Raghunath Singha, Tabassum Hossain, Achintya Saha, Asish R. Das, Synthetic Communication, 2013, 43, 169-181.
10. Palladium(0)-catalysed regioselective cyclisations of 2-amino(tosyl) benzamides/sulphonamides: the stereoselective synthesis of 3-ylidene-[1,4]benzodiazepin-5-ones/benzo[*f*][1,2,5]thiadiazepine-1,1-dioxides”, Debasmita Mondal, **Gargi Pal**, Chinmay Chowdhury, Chemical Communication., 2021, 57, 5462-5465.

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## Work Experience

Name of Organisation	Designation	Period	
		From	To
City College, Kolkata	Guest Lecturer	2014	2018
Gurudas College, Kolkata	Guest Lecturer	2015	2018
Lady Brabourne College, Kolkata	Guest Lecturer	2017	2018
CSIR IICB	Research Associate	2018	2020
Durgapur Women's College	Assistant Professor	2021	Till date