

Annexure-I

FACULTY PROFILE

1. Name: Dr. Joyee Das
2. Father's Name: Santi Ranjan Das
3. Designation: Assistant Professor
4. Office Address: Bagnan College, Khalore, P.O. & P.S. Bagnan,
Dist.- Howrah, Pin Code- 711303, West Bengal
5. Date of Birth: 03/04/1990
6. E-mail ID: joyeeds@gmail.com
7. Mobile Phone: 9609768295



8. Academic & Professional Qualifications:

Sl. No.	Name of Examination Passed	Institution (Studied/Appeared From)	Name of Board/University/Institute	Year of Passing	Class / Grade
1.	Secondary	Kalna Hindu Girls' High School	West Bengal Board of Secondary Education	2005	1 st Class (Secured 44 th rank in Secondary exam)
2.	Higher Secondary	Kalna Hindu Girls' High School	West Bengal Council of Higher Secondary Education	2007	1 st Class
3.	B.Sc. (Chemistry Hons.)	Lady Brabourne College	University of Calcutta	2010	1 st Class (College topper in Chemistry (Honours))
4.	M.Sc.	IIT Kharagpur	Indian Institute of Technology Kharagpur	2012	1 st Class (CGPA 9.58), (All India rank in JAM--63, Recipient of Merit-cum-means scholarship for the first 2 years of M.Sc)
5.	Ph. D	IIT Kharagpur	Indian Institute of Technology Kharagpur	2017	Synthetic Organic and Bio-Organic Chemistry (All India

					rank in CSIR- NET-2011- -30, Awarded Sailife- NOST Best Thesis Award 2017.)
--	--	--	--	--	--

9. Professional Training Programmes / Other Certificates:

Sl. No.	Courses/Training	Institution	University/Institute	Year	Grade
1.	2 nd Online Guru-Dakshata, Faculty Induction Programmes (FIP)	UGC-HRDC, Gujarat University, Ahmedabad	Gujarat University	2020	A+
2.	Online Refresher Course in Chemistry for Higher Education (SWAYAM-MOOCs Platform)	Delhi (Online)		2021	B
3.	2 nd Online Refresher Course in Chemistry	UGC-HRDC, Gujarat University, Ahmedabad	Gujarat University	2021	A

10. Teaching Experiences:

Sl. No.	Name of College / University	Designation	District	Nature of Appointment	Period/Academic Session
1.	IIT Kharagpur	Teaching Assisstant	Kharagpur	Research Scholar	2012-2017
2.	Bagnan College	Assistant professor	Howrah	Full Time	2017-Till date

11. Participation in International, National, State & Regional Level Seminars /Workshops:

Sl. No.	International Seminar / Conference	National Seminar / Conference	State Level Seminar/Workshop	Regional & Institutional Level Seminar/Workshops/ Training
Total No. of Participation (Approx.)	06	10	01	11

12. Papers Presented in Conferences / Seminars

Sl. No.	Title of Conference	Title of Paper/Discussant /Speaker	Institutions Organised	Year
1.	Interface Between Chemistry and Biology (IBCB-2017)	Multifaceted Reactivity of Bis-Propargyl Ethers and Sulfones: Mechanistic Studies and Application to the Synthesis of Imidazole Alkaloids	Department of Chemistry, School of Science, Adamas University	2017
2.	XIII J-NOST 2017	Studies on the Synthesis and Reactivity of Diradical Generating Molecules	Department of Chemistry, Institute of Science, Banaras Hindu University, Varanasi.	2017
3.	DST-Purse sponsored two day National Conference on Chemistry: Today and Tomorrow	Mechanistic Investigation on Differential Reactivity of Bis-Propargyl Ethers and Sulfones: An Approach to Solve the Diradical Cycloaddition Puzzle	Department of Chemistry, Kalyani University	2018
4.	Recent Trends in Chemical Sciences	Base Mediated Cyclization of Propargyl Alkenyl Sulfones: Synthesis of 4,5-Disubstituted 2H-Thiopyran 1,1-Dioxides	Department of Chemistry, Surendranath Evening College	2018
5.	Innovation, Expansion, Impacts and Challenges in Chemical and biological Sciences	Use of enediyne moiety acting as a photoaffinity label in the design of capture compounds for HCA II, support for ionic mechanism in Bergman Cyclization.	Department of Chemistry, Surendranath Evening College	2020
6.	Contemporary research in chemical sciences	Mechanistic Studies towards multifaceted reactivity of bis-propargyl ether and sulfones.	Uluberia College in collaboration with Jadavpur University	2020

7.	Chemistry in Biology	Eneidyne based protein capture agents	Department of Chemistry, Shri Shikshayatan College in collaboration with the Indian Photobiology Society	2023
----	----------------------	---------------------------------------	--	------

13. Acted as Resource Person/Discussant/ Chairperson/ Chief Guest

Sl. No.	Conference / Seminar	Conference & Discussant /Speaker	Institutions Organized	Year
1.	Recent Trends in Chemistry at the Interface with Biology	Convener	Department of Chemistry, Bagnan College, Howrah, in collaboration with IQAC, Bagnan College	2020

14. Publication in Journal

Sl. No.	Title of the article	Author	Name of the Journal	Year of Publication
1.	A One-pot Garratt-Braverman Cyclization and Scholl Oxidation Route to Acene-Helicene Hybrids	Dr. Joyee Das	<i>RSC Adv.</i>	2013
2.	Selectivity in Garratt-Braverman Cyclization of Aryl/Heteroaryl Substituted Unsymmetrical Bispropargyl Systems: Formal Synthesis of 7'-desmethylkealiquinone.	Dr. Joyee Das	<i>J. Org. Chem.</i>	2014
3.	Base Induced Cyclization of Propargyl Alkenyl Sulphones. A High Yielding Synthesis of 4,5-Disubstituted 2H-Thiopyran 1,1-dioxides.	Dr. Joyee Das	<i>Eur. J. Org. Chem.</i>	2015
4.	Shifting the Reactivity of Bis-propargyl Ethers from Garratt-Braverman Cyclization Mode to 1,5-H Shift Pathway To Yield	Dr. Joyee Das	<i>J. Org. Chem.</i>	2016

	3,4-Disubstituted Furans: A Combined Experimental and Computational Study.			
5.	Mechanistic Studies on Garratt-Braverman Cyclization: Solving the diradical-cycloaddition puzzle.	Dr. Joyee Das	<i>J. Org. Chem.</i>	2016
6.	Enediyne based Protein Capture agents: Demonstration of An Enediyne moiety Acting as Photoaffinity Label.	Dr. Joyee Das	<i>Org. Biomol. Chem.</i>	2017
7.	Explosive and pollutant TNP detection by LANS: DFT study, in vitro detection and test strip preparation.	Dr. Joyee Das	<i>Sensors and Actuators B</i>	2017
8.	Synthesis of crescent shaped heterocycle-fused aromatics via Garratt-Braverman cyclization and their DNA-binding studies.	Dr. Joyee Das	<i>Tetrahedron Lett.</i>	2017
9.	Studies on the development of capture compounds for selective detection of HCA II.	Dr. Joyee Das	<i>J. Indian Chem Soc.</i>	2018
10.	Intracellular fluorometric recognition of explosive and mutagenic nitroaromatics by a Luminescent Phenanthrene-Naphthalene Sulfone.	Dr. Joyee Das	<i>ChemistrySelect</i>	2020

15. Membership in Professional Bodies/Associations:

Sl. No.	Name of Associations	Membership
1.	Indian Photobiology Society	Life Member

16. Area of Interest & Others Involvement (maximum 100 words):

My research interest is mainly focused on synthesizing new enediyne molecules, studies of mechanistic pathway of various enediyne cyclization. During the studies, various experimental techniques like ^2H -NMR, LA-LDI are used in determining the fate of different molecules which are also very much interesting.