


STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE

Title	Dr.	First Name	SUSHOBHAN	Last Name	CHOWDHURY	
Designation		ASSISTANT PROFESSOR				
School /Dept. Name		University School of Automation & Robotics/Chemistry, Guru Gobind Singh Indraprastha University, East Delhi Campus, Surajmal Vihar, Delhi-110092				
Address:		T4A/8, Third Floor, Type-4-apartments, Guru Gobind Singh Indraprastha University, East Delhi Campus, Surajmal Vihar, Delhi-110092				
Phone No.	Office	-----				
	Residence	(optional)				
	Mobile	7602625431/9315448459				
Email	1. sushobhan.usar@ipu.ac.in			2. ami.sushobhan@gmail.com		
Web Page (if any)	----					
Subjects Taught	Engineering Chemistry					
Areas of Interest/ Specialization	Electrochemistry, Photochemistry, Catalysis, Methodology					
Experience (in years)	Total	9 years post-PhD experience				
	Industry	----				
	Teaching	2 years				
	Research	7 years				
Educational Qualifications	UG	Chemistry (Honours) Ramkrishna Mission Residential College, Narendrapur University of Calcutta				
	PG	Organic Chemistry Specialization Department of Chemistry, Institute of Science, Banaras Hindu University				
	Doctorate	Organic Synthesis Department of Chemistry, Institute of Science, Banaras Hindu University				
	Any other – Diploma in IPR					

Research
Publications in
Journals
(last 5 years)

- 1) **Electrochemical cascade reactions: an account of recent developments for this modern strategic tool in the arsenal of chemical synthesis:** Manoj Kumar Yadav and Sushobhan Chowdhury; *Green Chem.*, **2023**, *25*, 10144-10181.
- 2) **Regioselective β -Csp³-Arylation of β -Alanine: An Approach for the Exclusive Synthesis of Diverse β -Aryl- β -amino Acids:** Sushobhan Chowdhury,* Roopal Vaishnav, Namita Panwar, Wahajul Haq; *J. Org. Chem.* **2019**, *84*, 2512–2522. (2 citations so far)
- 3) **Recent Advances on Amino Acid Modifications via C–H Functionalization and Decarboxylative Functionalization Strategies:** Santanu Mondal, Sushobhan Chowdhury;* *Adv. Synth. Catal.* **2018**, *360*, 1884-1912. (37 citations so far)
- 4) **A Catalyst-Oxidant-Base Free Benzylic Csp³-H Alkoxylation of toluidines via Electro-oxidative Csp³-O-Coupling with Alcohols:** Sushobhan Chowdhury* and Shubham Pandey, *Asian J. Org. Chem.* **2021**, *10*, 2902-2906.
- 5) **Synthesis and Antimalarial Activity of 4-Methylaminoquinoline Compounds against Drug-Resistant Parasite:** Vinay Tiwari, Prince Joshi, kanchan Yadav, Anamika Sharma, Sushobhan Chowdhury, Ashan Manhas, Niti Kumar, Renu Tripathi, Wahajul Haq*, *ACS Omega*, **2021**, *6*, 12984-12994.
- 6) **Quinone Methide Chemistry leading to Tertiary and Quaternary carbon centre containing molecules: Reactivity Vs Selectivity & Toxicity in its Application:** Kasim Ali, Prajval Mishra, Awnish Kumar, Damodara N Reddy, Sushobhan Chowdhury*, Goutam Panda*, *Chem. Commun.*, **2022**, *58*, 6160-6175.
- 7) **Diastereoselective palladium-catalyzed C(sp³)-H cyanomethylation of amino acid and carboxylic acid derivatives:** Sumit Garai, Krishna Gopal Ghosh, Ashik Biswas, Sushobhan Chowdhury and Devrajulu Sureshkumar,* *Chem. Commn.* **2022**, Accepted manuscript (DOI: 10.1039/d2cc03106j).
- 8) **Metal-free electrochemical regioselective aromatic C–H bromination of N,N-disubstituted anilines using propargyl bromide as the unprecedented bromine source:** Sushobhan Chowdhury*, Shubham Pandey, Ashutosh Gupta and Ajay Kumar; *Tetrahedron*, **2022**, accepted manuscript (DOI: 10.1016/j.tet.2022.132902).
- 9) **Electrocatalytic Hydrogenation and Reductive coupling of Arylketones: Highly efficient Straightforward Metal-free Access to Alcohols and Pinacols:** Sushobhan Chowdhury*, Ajay Kumar and Ajay Kumar; *Asian J. Org. Chem.*, **2022**, Accepted article, DOI: 10.1002/ajoc.202200425.
- 10) **Copper Mediated Intramolecular Amidation/C-N-Coupling Cascade Sequence: Straightforward One-Pot Synthesis of N-Aryl γ - and δ -Lactams using Amino Acids as the Precursor:** Sushobhan Chowdhury*, Gunjan

	<p>Chauhan, Ajay Kumar, Bipin Chaturvedi and Chinmaya Behera, <i>Eur. J. Org. Chem.</i> 2022, Accepted article, DOI: 10.1002/ejoc.202200850.</p> <p>11) Cobalt-Catalyzed Formation of Functionalized Diarylmethanes from Benzylmesylates and Aryl Halides: B Rajendra Prasad Reddy, Sushobhan Chowdhury, Audery Auffrant,* Corinne Gosmini;* <i>Adv. Synth. Catal.</i> 2018, 360, 3026-3029. (5 citations so far)</p> <p>12) Recent Advances on Amino Acid Modifications via C-H Functionalization and Decarboxylative Functionalization Strategies: Santanu Mondal, Sushobhan Chowdhury;* <i>Adv. Synth. Catal.</i> 2018, 360, 1884-1912. (58 citations so far)</p>			
Papers Published in Conference Proceedings(last 5 years)	--			
Books Authored/ BookVolume Chapters	<p>Chapter Title: Catalytic Functionalization of alpha-amino Esters Side Chains, Book: Science of synthesis; Chapter: Section 20.5.10 (2-Aminoalkanoic Acid Esters (alpha-Amino Acid Esters)); Publisher: Thieme (Germany)</p>			
No. of Conferences	National	Attended		Organized
		--		--
	International	12		--
Research Guidance	Awarded	PG	M. Phil	Doctorate
		3	---	----
	Undergoing	----	----	----
Research Projects	Completed	<p>1) Title of the project: Catalytic Asymmetric Cyanation of Amino Acids by C(sp³)-H Bond Activation; Grant No: PDF/2016/003851; Sponsorship: Science & Engineering Research Board (SERB), Government of India; Role: Principal Investigator; Amount: 6 Lakhs, Duration: 2 Years.</p>		
	Ongoing	<p>1) Title of the project: Synthesis of novel non-proteinogenic chiral amino acid-derived small molecular scaffolds of therapeutic significance; Sponsorship: Science & Engineering Research Board (SERB), Government of India; Role: Principal Investigator; Amount: 14 Lakhs, Duration: 2 Years;</p> <p>2) Title of the project: New approaches to the fluorinated N-heterocycles via amine radical cation pathway; Grant No: IFA17-CH274; Sponsorship: Department of Science & Technology (DST), Government of India; Role: Principal Investigator; Amount: 35 Lakhs; Duration: 5 Years</p>		
Awards & Distinctions	DST-INSPIRE Faculty Award			

Administrative Assignments Handled	----
Association with Professional Bodies	----
Any other Achievements	-----