

Dinabandhu Mahavidyalaya, Bongaon

Teacher's Profile

Name:	Karan Chhetri
Address:	Dinabandhu Mahavidyalaya, Bongaon
Contact No.:	9932993179/7908089166
Email Id:	karanchhetri62@gmail.com
Designation:	Assistant Professor
Department:	Chemistry
Specialization:	Organic Chemistry
Educational Qualifications:	M.Phil., M.Sc.
Academic career:	
Date of Joining:	24/08/2020
Teaching Experience:	2 years
Subject/course taught:	Organic Chemistry, Physical Chemistry, Polymer Chemistry, Green Chemistry, Analytical Chemistry.
Research Interests:	Synthetic Organic Chemistry, Organocatalysis, Methodology Development.
Project Undertaken:	NA
Awards and Scholarships:	Silver Medalist (M.Sc.), Qualified Graduate Aptitude Test in Engineering (GATE) in 2014, Qualified National Eligibility Test (NET) in 2016, JRF (2016) in DBT funded Project.

Membership: NA

List of Publications (Journals and Books):

- (1) **Chhetri, K.**; Bhuyan, S.; Mandal, S.; Chhetri, S.; Lepcha, P. T.; Lepcha, S. W.; Basumatary, J.; Roy, B. G. Efficient Metal-Free Visible Light Photocatalytic Aromatization of Azaheterocycles. *Current Research in Green and Sustainable Chemistry*, **2021**, 4, 100135.
- (2) Mandal, S.; **Chhetri, K.**; Bhuyan, S.; Roy, B. G. Efficient Iron Catalyzed Ligand-Free Access to Acridines and Acridinium Ions. *Green Chem.*, **2020**, 22, 3178-3185.
- (3) Bhuyan, S.; Mandal, S.; Jana, S.; **Chhetri, K.**; Roy, B. G. Efficient Greener Visible Light Catalyzed Debenzylation of Benzyl Ethers and Esters: A Gateway to Wider Exploitation of Stable Benzyl Protecting Group. *Asian J. Org. Chem.*, **2022**, 11 (7).
- (4) Pradhan, A.; Bhuyan, S.; **Chhetri, K.**; Mandal, S.; Bhattacharyya, A. Saponins from Albizia Procera Extract: Surfactant Activity and Preliminary Analysis. *Colloids Surf. Physicochem. Eng. Asp.* **2022**, 643, 128778.
- (5) Mandal, S.; Bhuyan, S.; Jana, S.; Hossain, J.; **Chhetri, K.**; Roy, B. G. Efficient Visible Light Mediated Synthesis of Quinolin-2(1H)-Ones from Quinoline N-Oxides. *Green Chem.*, **2021**, 23, 5049–5055.

Conference Presentations:

1. **Oral presentation:** Title: “Synthesis of Acridinium based Photocatalysts and their application towards the photocatalytic aromatization of aza-heterocycles” in International Conference on “Recent Developments in Chemistry” (RDC-2021)- Organized by Department of Chemistry, NIT Durgapur, Dated: 3rd-5th March, 2021.
2. **Oral presentation:** Title: “Synthesis of Acridinium-based photocatalysts and their application in conversion of olefins to carbonyl compounds in visible light” in International Conference on “Synthetic Potent Molecule and its Application (ICSPMIA-2018)” organized by Sikkim Manipal Institute of Technology, Majhitar, Rangpo, Sikkim, Dated: 30th-31th October, 2018.
3. **Poster presentation:** Title: “Synthesis of Acridinium-based Photocatalysts via Dehydrogenation of the *N*-aryl 1,8-dioxododecahydroacridine derivatives” in National conference organized by Sikkim University Science Forum-2018, Dated: 10th October, 2018.

4. **Poster presentation:** Title: "Stereoselective Synthesis of Nitrogen Containing Polyheterocycles" in International Symposium on "Chemistry for the Human Welfare" organized by Department of Chemistry, University of Gour Banga, Malda-732103 Dated: 7th April, 2017.
5. **Poster presentation:** Title: "Diversity Oriented Synthesis of Nitrogen Containing Polyheterocycles" in National Seminar on "Recent Trend in Chemistry Research" organized by Department of Chemistry, Siksha-Bhavana, Visva-Bharati, Shantiniketan, West Bengal, Dated: 25th-26th March, 2017.
6. **Poster presentation:** Title: "Diversity Oriented Synthesis of Nitrogen Containing Polyheterocycles" in National Seminar on "Recent Trend in Chemistry Research" organized by Department of Chemistry, Siksha-Bhavana, Visva-Bharati, Shantiniketan, West Bengal, Dated: 25th-26th March, 2017.
7. Participated in National Conference on "Recent Trend in Chemistry" (RTC-2017) organized by Sikkim Manipal Institute of Technology, Majhitar, Rangpo, Sikkim, Dated: 17th-18th February, 2017.
8. Participated in One Day International Seminar (Virtual Mode) on "Frontiers in Chemistry" organized by Department of Chemistry, University of North Bengal, West Bengal, Dated: 1st October, 2020.
9. Participated in One Week Faculty Development Programme on "Applied Chemistry: A Catalyst for Scientific Transformations" organized by the Lavoisier's Association, Department of Chemistry, Faculty of Science, SGT University, Gurugram, Delhi-NCR, Dated: 23rd-28th August, 2021.