

Dr. PRIYABRATA BHATTACHARJEE

Contact: 9434030180

Qualification: M.Sc., Ph.D

Designation: Associate Professor in Chemistry

Teaching Experience (in years): UG: 31 years; PG: 05 years

Research Experience (in years): 06 years

Date of Joining Present Institution: 01.03.2019

Institutions/Companies Previously Served:



Name of Institution/Company	Designation	Tenure	
		From (DD-MM-YYYY)	To (DD-MM-YYYY)
Darjeeling Government College	Lecturer in Chemistry	31. 05. 1990	08. 09. 1994
Durgapur Government College	Lecturer, Reader, Associate Professor in Chemistry	09. 09. 1994	11. 10. 2012
Hooghly Mohsin College	Associate Professor in Chemistry	12. 10. 2012	28. 02. 2019

Specialization/Research Interest:

Organic Chemistry; Chemistry of Natural Product

Courses taught

	B.Sc Honours	B.Sc. Program	M.Sc
Semester-I	BSCHCEMC102 Unit IV: Aliphatic and Aromatic Nucleophilic Substitution		MSCCHEMC102: Unit I: Stereochemistry (Static & Dynamic) of Organic Compounds: Concept & Application
Semester-II	BSCHCEMC203 Unit I: Static Stereochemistry II		MSCCHEMC202: Unit I: Organic Name Reactions
Semester-III	BSCHCEMC303 Unit III: Synthesis, Physical Properties and Reactions of Nitrogen Compounds		MSCCHEMC302 Advanced Organic Chemistry General: Unit I: Organic Synthesis focussing on Carbon-Heteroatom Bonds MSCCHEMMJE302: Organic Chemistry Major I: Unit I: Asymmetric Synthesis
Semester-IV	BSCHCEMC403 Unit II: Alicyclic Compounds		MSCCHEMMJE402: Organic Chemistry Major II: Unit II: Organic Photochemistry-II MSCCHEMMJE405: Unit I: Pericyclic Reactions-II

Semester-V	BSCHCEMC501 Unit I: Methodology in Organic Synthesis		
Semester-VI	BSCHCEMDSE602 Unit II: Synthetic Approach	BSCPMDSE601: Chemistry of Biomolecules & Chemotherapy	

Online Mode of Teaching

Used the MOODLE SITE of the Department of Chemistry, Durgapur Government College for online teaching as per the following schedule. The URL of the MOODLE SITE is: [https:// department-chemistry-dgc.moodlecloud.com/login/index.php](https://department-chemistry-dgc.moodlecloud.com/login/index.php).

UG Honours SEMII	UG Honours SEMIV	UG Honours SEMVI	PG SEMII	PG SEMIV
Topicity I 03.04.2020	Alicyclic Compounds 05.04.2020	Felkin Anh Model & Prelog's Rule 07.04.2020	Name Reactions I 13.04.2020	Sigmatropic Rearrangements- I 10.04.2020
Topicity II 05.04.2020	Answers to the Problems: Alicyclic Compounds 08.04.2020		Name Reactions II 19.04.2020	Sigmatropic Rearrangements- II 14.04.2020
Answers to the Problems Topicity I & Topicity II 07.04.2020			Name Reactions III 21.04.2020	Photochemistry 06.05.2020
Asymmetric Synthesis & Cram's Rule 10. .04.2020			Name Reactions IV 01.05.2020	
Conformation of Cyclohexane System 25.05.2020				

Also used personal email for providing text materials and assignments to the students, and for clearance of their doubts.

Publications

1. N. C. Sukul, K. S. Mukherjee, S. K. Bala, P. Bhattacharjee *(1986), Nematicidal Properties of the Plants *Xanthium strumarium* and *Parthenium histenophorous*, *Environment & Ecology*, 4, 139-141.
2. K. S. Mukherjee, P. Bhattacharjee *, R. K. Mukherjee, P.K. Ghosh (1986), A Triterpenoid of *Andrachne cordifolia*, *Phytochemistry*, 25, 2669. [https://doi.org/10.1016/S0031-9422\(00\)84537-9](https://doi.org/10.1016/S0031-9422(00)84537-9).
3. K. S. Mukherjee, P. Bhattacharjee *, R. K. Mukherjee, P. K. Ghosh (1986), Chemical Investigation of *Nymphaea stellata* Wild, *J. Ind. Chem.Soc.*, 63, 530-31.
4. K. S. Mukherjee, P. Bhattacharjee*, R. K. Mukherjee, P. K. Ghosh (1986), Phytochemical Investigation of *Cassia mimosides* Linn., *J. Ind. Chem. Soc.*, Vol. 63, 619.
5. K. S. Mukherjee, P. Bhattacharjee* (1987), Glut-5(10)-en-3-one from *Andrachne cordifolia*, *Phytochemistry*, 26, 1539-40. [https://doi.org/10.1016/S0031-9422\(00\)81856-7](https://doi.org/10.1016/S0031-9422(00)81856-7).
6. K. S. Mukherjee, P. Bhattacharjee*, R. K. Mukherjee, P. K. Ghosh (1987), Chemical Investigation of *Salvia lanata* Roxb. and *Bignonia anguis* Cati, *J. Ind. Chem. Soc.*, 64, 129.
7. K. S. Mukherjee, P. Bhattacharjee*, R. K. Mukherjee, P. K. Ghosh (1987), A New Anthraquinone pigment from *Cassia mimosides*, Linn., *J. Ind. Chem. Soc.*, 64, 130.
8. K. S. Mukherjee, C. K. Chakravorty, T. P. Chattaerjee, P. Bhattacharjee*(1988), A New Flavone from *Cheilanthes farinosa* Kaulf., *J. Ind. Chem.Soc.*, 65, 149.
9. K. S. Mukherjee, C. K. Chakraborty, T. P. Chattaerjee, P. Bhattacharjee* (1988) Triterpene from *Salvia leucantha* Cav., *J. Ind. Chem. Soc.*, 65, 458.
10. K. S. Mukherjee, C. K. Chakraborty, T. P. Chattaerjee, P. Bhattacharjee*(1988) Chemical Examination of *Buddleia neemda* B. Ham., *J. Ind. Chem. Soc.*, 1988, 65, 881.
11. K. S. Mukherjee, C. K. Chakraborty, T. P. Chattaerjee, P. Bhattacharjee* (1989) Chemical Examination of *Cassia pumila* Lam., *J. Ind. Chem. Soc.*, 66, 66.
12. K. S. Mukherjee, S.K. Dutta, A. Mehrotra, P. Bhattacharjee* (1989), Phytochemical Investigation of *Pedilanthus tithymaloids* (L), Poit., *J. Ind. Chem. Soc.*, 66, 213..
13. K.S. Mukherjee, A. Mehrotra, P. Bhattacharjee* (1990), Triterpenes of Euphorbiaceae family: 1980-89, *J. Scientific & Indust. Res.*, 49, 449.
14. K. S. Mukherjee, C.K. Chakraborty, D. Bhattacharya, T.P. Chattaerjee, P. Bhattacharjee*, (1990) Chemical Examination of *Limnophilia rugosa* (Roth.) merril. and *Buddeleia neemda* B. Ham., *J. Ind. Chem. Soc.*, 67, 89-90.
15. K.S. Mukherjee, A. Mehrotra, P. Bhattacharjee*, S. Laha, C.K. Chakraborty, (1991), A New Diol from *Randia logispina*, *J. Ind. Chem. Soc.*, 62, 506-7.

Guidance of M.Sc. Projects

Shoubhik Bhattacharya (2018-2019, *Durgapur Government College*), Role of Boron in Organic Synthesis (**Guide: Dr. Priyabrata Bhattacharjee**)

Organization of events (Durgapur Government College)

One day state level seminar on “*Third Layer of Understanding and Learning*”: organized by Department of Chemistry, *Durgapur Government College*, on Dec 04, 2019, in celebrating international year of Periodic table (**Dr. Priyabrata Bhattacharjee**, *Organizing Secretary and Head, Department of Chemistry*)

Participation in committees of Durgapur Government College since 2017

1. Publication of Academic Journal (Communique): Convener-2018-19, 2019-20)
2. Publication of Souvenir Convener-Golden Jubilee Celebration, 2019-20
3. IQAC Member 2019-20