BARUN BANDYOPADHYAY

Contact: bbdgc1@gmail.com

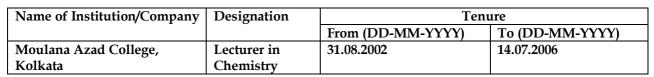
Qualification: M.Sc.; Post M.Sc.

Designation: Assistant Professor in Chemistry

Teaching Experience (in years): UG: 18 years PG: 12 years

Research Experience (in years): 4 years

Date of Joining Present Institution: 15.07.2006 Institutions/Companies Previously Served:



Examinations cleared: NET-CSIR-

Specialization/Research Interest: Theoretical Quantum Many-Body Problems: Coupled Cluster Theory and Its Application

Awards & Recognitions

- 1. **Dr. Mrigendranath Ghosh Medal** for securing the highest marks in the 3 years Degree course Examination 1987 in Chemistry Honours
- 2. **Award from The Jawaharlal Nehru Memorial Fund** for securing the First position in the 3 years Degree course Examination 1987 in Chemistry Honours
- 3. **The University Gold Medal** for securing First in First Class in the M.Sc. Examination 1989 in Chemistry
- 4. **The Bardhaman Sammilani Medal** for securing the highest marks in the M.Sc. Examination 1989 in Chemistry

Courses taught

	B.Sc Honours	M.Sc
Semester-I		Physical Chemistry General I
		MSCCHEMC103
Semester-II	Physical Chemistry – I, Core-III) (CC-3),	Physical Chemistry General II
	Code: BSCHCEMC201	MSCCHEMC203
		Physical Chemistry General : practical
	Physical Chemistry-I Lab, Core-III (CC-3),	MSCCHEMC205
	Code: BSCHCEMC201	
Semester-III	Physical Chemistry – II, Core-VII (CC-7),	Advanced Physical Chemistry General
	Code: BSCHCEMC303	MSCCHEMC303
	Physical Chemistry – II Lab, Core-VII (CC-	Physical Chemistry Major I
	7), Code: BSCHCEMC303	MSCCHEMMJE303



Semester-IV	Physical Chemistry – III, Core-X (CC-10), Code: BSCHCEMC403 Physical Chemistry – III Lab, Core-X (CC-10), Code: BSCHCEMC403	Advanced Physical Chemistry General MSCCHEMC304 Physical Chemistry Major:Practical I MSCCHEMMJE306 Physical Chemistry Major II MSCCHEMMJE403 Physical Chemistry Major III MSCCHEMMJE406 Physical Chemistry Major:Practical II MSCCHEMMJE409 Physical Chemistry Term Paper/Project
		MSCCHEMC404
Semester-V	Solid State Chemistry, DSE (DSE-1/ DSE- 2), Code: BSCHCEMDSE503 Unit-II & Unit-IV	
Semester-VI	Physical Chemistry – IV, Core-XIV (CC- 14), Code: BSCHCEMC602	
	Physical Chemistry – IV Lab, Core-XIV (CC-14), Code: BSCHCEMC602	

Online Mode of Teaching

GOOGLE CLASSROOM & E-MAIL

Publications

Journals:

1. Debashis Jana, **Barun Bandyopadhyay** and Debashis Mukherjee, Development and applications of a relaxation-inducing cluster expansion theory for treating strong relaxation and differential correlation effects: Theoretical Chemical Acc., (1999) 102; 317-327

Book Chapters:

1. Uttam Sinha Mahapatra, Barnali Dutta, Barun Bandyopadhyay and Debashis Mukherjee, (1998), State-Specific Multi-reference Coupled Cluster Formulations: Two Paradigms, Advances in Quantum Chemistry; Volume 30, , Academic Press, USA/UK, pp 163-193; ISBN 0-12-034830-6

Guidance of M.Sc. Projects

- 1. Swagata Mandal (2016-2017, Durgapur Government College), Study on Quantum Mechanical Carnot Engine
- 2. Sudeshna Chatterjee (2016-2017, Durgapur Government College), Fermentation and Distillation Process of Alcohol
- 3. Riya Saha (2016-2017, Durgapur Government College), The New Era of Dye Sensitized Solar Cell
- 4. Susmita Mukherjee (2017-2018, Durgapur Government College), Determination of CMC of a

- surfactant (SDS) by Various Methods
- 5. Soumen Kumar Dubey (2018-2019, Durgapur Government College), Artificial Intelligence in Drug Design The storm before the calm
- 6. Subhasree Dey (2019-2020, Durgapur Government College), Carnot Engine: A Quantum Mechanical Model

Participation in faculty development programmes

- 1. UGC Sponsored Orientation Programme at Academic Staff College, The University of Burdwan from 4th. January to 31st. January , 2003.
- 2. afrom 4th. December to 24th. December, 2007.
- 3. UGC Sponsored Refresher Course at Academic Staff College, The University of Burdwan from 15th. October to 4th. November, 2011.
- 4. UGC Sponsored Refresher Course at Academic Staff College, North-Eastern Hill University, Shillong from 18th. March to 7th. April, 2013.

Participation in committees of Durgapur Government College since 2017

- 1. IQAC (Member-2017-18, 2018-19)
- 2. Admission Subcommittee (Member-2017-18, 2018-19, 2019-20)
- 3. Journal and Publication Subcommittee (Jt. Convener-2017-18, 2018-19)
- 4. Core Committee for the Golden Jubilee Celebration of the College (Convener-2018-19, 2019-20)
- 5. Communique: An Academic Journal of Durgapur Government College (Editor-2017-18, 2018-19, 2019-20)
- 6. Grievance Redressal Cell (Member- 2018-19)
- 7. KNU Sem-II (Backlog) Examination Subcommittee (Member-2018-19)
- 8. AISHE & NIRF Data compilation Cell (Jt. Convener-2019-20)
- 9. College Website Updating Cell (Member-2018-19)
- 10. Service Book Opening & Updating Committee (Member-2019-20)