



**PG Prospectus**

**2023**

**Department of Chemistry**

**Bidhannagar College**

**Salt Lake, Kolkata- 700064**

### Brief History of the Department

The Department of Chemistry at Bidhannagar College is one of the best centres for undergraduate and postgraduate teaching in Chemistry under the West Bengal State University. Chemistry has been taught here at the undergraduate honours level since 1985 under the affiliation of University of Calcutta. The college came under the affiliation of newly established West Bengal State University in 2008. The academic curriculum has been extended to postgraduate section (autonomous) in 2013. The overall performance of our students in the university examinations as well as in the national level competitive examinations is impressive.



### Present Faculty strength

Posts	Sanctioned	Filled
Professor	01	00
Associate Professor	14	04
Assistant professor		07

**Faculty profile**





Sl No	Name	Qualification	Designation	Specialization
1	Nikhil Ranjan Pramanik	Ph.D.	Associate Professor & Head	Physical Chemistry
2	Sanat Kumar Saha	Ph.D.	Associate Professor	Physical Chemistry
3	Arup Kumar Adak	Ph.D.	Associate Professor	Inorganic Chemistry
4	Subhas Chandra Maity	Ph.D.	Assistant Professor	Organic Chemistry
5	Rajarshi Chatterjee	Ph.D.	Assistant Professor	Inorganic Chemistry
6	Anisur Rahaman Molla	Ph.D.	Assistant Professor	Organic Chemistry
7	Arabinda Mandal	Ph.D.	Assistant Professor	Inorganic Chemistry
8	Shubhankar Samanta	Ph.D.	Assistant Professor	Organic Chemistry
9	Susanta Kumar Manna	Ph.D.	Assistant Professor	Organic Chemistry
10	Tirtha Pada Majhi	Ph.D.	Assistant Professor	Organic Chemistry
11	Rituparna Biswas	Ph.D.	Assistant Professor	Inorganic Chemistry



### Retired Guest Faculty

Sl No	Name of the Teacher	Qualification	Institution Last served	Designation
1.	Dulal Chandra Mukherjee	Ph.D.	University of Calcutta	Former Professor
2.	Sanjib Bagchi	Ph.D.	University of Burdwan	Former Professor
3.	Samita Basu	Ph.D.	SINP Kolkata	Former Senior Professor
4.	Achintya Kumar Sarkar	Ph.D.	Bidhannagar College	Former Professor
5.	Gurucharan Mukhopadhyay	Ph.D.	Bidhannagar College	Former Associate Professor

### Present staff

Sl. No.	Name of Technical Staff	Designation	
1.	Biplab Sarkar	Laboratory Attendant	
2.	Subha Mondal	Laboratory Attendant	

## **Admission Procedure, Courses offered, No of seats**

**1. Admission Procedure:** Admission is centrally organized by the college as per West Bengal State University rules and notified in due time. Interested candidates must follow the college website (<https://www.bidhannagarcollege.org>) for regular update of the admission process.

### **2. Courses offered:**

a) B.Sc. Hons-

Honours subject: Chemistry

Minor paper: Mathematics and Physics

b) M.Sc. in Chemistry

The course shall comprise a total credit of 92 (ninety-two) distributed over the four semesters in two years. The courses shall be grouped as Departmental core courses, Department specific electives, Skill Enhancement Course (SEC) and Ability Enhancement Comprehensive Course (AECC). Detailed syllabus of the course will be available in West Bengal State University website.

### **3. Intake capacity:**

<b>Course</b>	<b>No of seats</b>
<b>B.Sc. (Hons in Chemistry)</b>	<b>63</b>
<b>M.Sc. in Chemistry</b>	<b>38</b>

## Departmental Infrastructure

The Department of Chemistry is spread over three wings of ground floor and includes the chamber of HOD, one staff room, four laboratories, one research laboratory, two compounding rooms, five dedicated lecture rooms including one smart class room, two store rooms and one instrument room for PG experiment. A well-stocked seminar library is also a part of the facilities available for the benefit of both UG & PG students and teachers maintained by a faculty member.



Smart Classroom



Laboratory

**Other Facilities available**

- One sophisticated UV-Visible spectrophotometer
- Metler analytical balance (0.0001g)
- Rotary evaporator
- Computer with internet facility
- Low temperature bath
- Regular instruments/equipments as demanded by curriculum



**UV-Visible Spectrophotometer**



**Rotary Evaporator**



**Metler Analytical Balance**

## Research activity

Active research work is carried out in the Department in a dedicated research laboratory assigned for the purpose and have regular publications in national/international journal of repute.

Currently two major research projects are running in the Department.



Research Laboratory



## Extracurricular activities

- The Department regularly organizes State/National level seminars in collaboration with other Institutes/bodies for enrichment of both students and faculty members.



## Department of Chemistry, Bidhannagar College

- Wall magazines, posters are prepared by the present students on recent topics of Chemistry and displayed in dedicated spaces of the Department.



- Students are encouraged to participate in academic activities like seminars, other academic activities organized by different institutes e.g. Chemistry quizzes, laboratory visits etc. and their performances are praiseworthy.



**Academic achievements of PG students in recent past**

Sl No	Name of the student	Achievement	Year	Current position
1	Anindita Bhowmick	Qualified CSIR-NET JRF (Rank- 63)	2017	Research Fellow at IISER Pune
2	Rhituparna Nandi	Inspire Fellow	2017	Research Fellow at IISER Kolkata
3	Rupkumar Khuntia	Qualified CSIR-NET JRF (Rank- 60)	2017	Research Fellow at IIT Guwahati
4	Sourav Roy	Qualified CSIR-NET JRF	2017	Research Fellow at IIT Ropar
5	Kuntal Palit	Inspire Fellow	2017	Research Fellow at NIIT Rourkela
6	Anusuya Saha	Project Fellow	2018	Research Fellow at CSIR Centre for Salt & Marine Chemical Research Institute
7	Manali Basu	Qualified UGC-NET	2018	Research Fellow at SINP Kolkata
8	Rajib Molla	Qualified CSIR-NET JRF (Rank- 42)	2018	Research Fellow at IISER Bhopal
9	Anindya Sarkar	Qualified CSIR-NET JRF	2018	Research Fellow at Visva-Bharati University
10	Sourav Dutta	Qualified CSIR-NET JRF	2019	Research Fellow at IACS Kolkata
11	Samim Sahaji	Qualified for Maulana Azad National Fellowship for Minority Students	2019	Research Fellow at Bose Institute, Kolkata
12	Dipanwita Palit	Qualified CSIR-NET JRF	2020	Research Fellow at IISER Bhopal
13	Sumana Mazumder	Qualified CSIR-NET JRF (Rank- 57)	2022	Research fellow at University of Calcutta
14	Parag Mistry	Qualified CSIR-NET JRF (Rank- 121)	2022	Research Fellow at IIT Ropar
15	Somsubhra Kundu	Qualified CSIR-NET JRF	2022	Research Fellow at IISER Pune
16	Srita Dutta	Qualified CSIR-NET LS and GATE	2022	Research Fellow at TIFR Hyderabad

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Sl No	Name of the student	Achievement	Year	Current position
17	Sayantika Kar	Qualified GATE	2022	Research Fellow at IIT Kharagpur
18	Nil Lohit Sengupta	Qualified GATE	2022	Research Fellow at IIT Kharagpur
19	Sayan Bhadra	Qualified GATE (Rank-174)	2022	Research Fellow at IEST Shibpur
20	Suman Majumder	Qualified CSIR-NET LS	2022	Yet to join
21	Trisha Chakraborty	Qualified CSIR-NET JRF	2022	Research Fellow at IIT Madras
22	Rakesh Halder	Qualified CSIR-NET JRF (Rank- 141)	2022	Research Fellow at IISER Kolkata
23	Sayan Bhadra	Qualified CSIR-NET JRF (Rank- 55)	2023	Research Fellow at IEST Shibpur
24	Sampa Mondal	Qualified UGC-NET JRF (Rank- 119)	2023	Research Fellow at IEST Shibpur
25	Atanu Halder	Qualified GATE	2023	Research Fellow at IIT Madras
26	Semanti Das	Qualified GATE	2023	Research Fellow at IICB, Kolkata
27	Binoy Ghosh	Qualified GATE	2023	Research Fellow at Jadavpur University