

Prioritized research areas of the faculty members

Department	Name of Teaching Staff	Area of Present Research
Principal	Papia Chakraborti	Phycodiversity and Advanced Bio-technology
Bengali	Sampa Mitra	Bengali Theatre
	Sanglap Sarkar	Short Stories
	Smritikana Chakraborty	Medieval Bengali Literature
	Shampa Bhattacharya	Bengali Theatre
English	Nishi Pulugurtha	British Romantic Literature, Indian Writing in English, Diaspora Studies and Film
History	Indranil Chattopadhyay	Political History of India
Political Science	Ruma Guha	Kashmir Crisis
Economics	Jayanta Kumar Dwibedi	Trade & Development , Public Finance
Botany	Biswarupa Ghosh	Plant Taxonomy and Ecology
	Chandan Barman	Plant Developmental Biology
	Sangita Gangopadhyay	Tissue Culture, Micropropagation & Bio-Technology
	Dipanshu Kumar Viswas	Bio-technology
Chemistry	Kartik Kumar Nandi	Green Chemistry
	Swarup Manna	Study of Nanocomposites
Mathematics	Sheikh Ahmed Hossain	Financial Mathematics
	Shyamal Sen	Multi-Objective Optimization in Uncertain Environment
	Saral Dutta	Cryptography
	Subhrojyoti Debnath	Bio-Mathematics
Physics	Manas Kumar Roy	Material Science and Structural Geology
	Shib Shankar Singha	Laser Raman Spectroscopy
	PinakiPatra	Non-local Quantum Field Theory
Statistics	Munmun Biswas	Non-Parametric Testing
Zoology	Madhumita Roy	Ecological Modeling and System Ecology
	Debashree Golder	Toxicology

Special grants from WB DBT for developing research facility

The WB DBT has funded the Department of Botany of this College, a course in Biological Sciences with evidence of a biotechnology component for support under the scheme entitled **“Biotechnology based Opportunities Offered to Science & Technology departments” or BOOST-I, in 2014** with its Programme Coordinator as Dr. Papia Chakraborti.

Inter-disciplinary research

The ongoing and recent interdisciplinary research projects carried out by members of faculty are given below:

Name of Faculty	Department	Programme
Dr. Papia Chakraborti	Botany/Zoology	Biotechnology
Dr. Swarup Manna	Chemistry/Physics	Nanotechnology
Dr. Kartik Kumar Nandi	Chemistry/Environmental Science	Green Chemistry
Dr. Nishi Pulugurtha	English Literature	Film Studies

Details of ongoing and completed research projects during last five years

Major Research Projects

Sl. No	Faculty Researcher and Department	Funding Agencies	Tenure	Title of research project	Total grant sanctioned Rs.	Total grant received till date Rs.
1.	Papia Chakraborti, Botany	West Bengal , Department of Biotechnology	2014-19 (Ongoing)	BOOST-I (Biotechnology Opportunities Offered for Science And Technology)	20 lacs	20,00,000
2.	Papia Chakraborti, Botany	UGC	2014-17 (Ongoing)	Phycodiversity of the Bon-Hooghly Lake and Adjoining Water Bodies in Kolkata- Status and its Potential Implications	13.7 lacs	7,39,500

Minor Research Projects

Sl. No	Faculty Researcher and Department	Funding Agencies	Tenure	Title of research project	Total grant sanctioned (in Rs)	Total grant received till date (in Rs)
1.	Nishi Pulugurtha, Dept. of English	UGC	2015-17 (Ongoing)	Telugu Cinema and the Diaspora: Understanding Transnational Cultural Practices	200000	180000
2.	Swarup Manna, Dept. of Chemistry	UGC	2015-17 (Ongoing)	A Versatile 'Click' Method for Scalable Production of Functionalized CNTs and CNT Nanocomposites for Aeronautical Applications	420000	327500
3.	Manas Kumar Roy, Dept. of Physics	UGC	2015-17 (Ongoing)	Dynamics of ferroelectric Nano-particles Suspended in Non-polar fluid	490000	410000
4.	Munmun Biswas, Dept. of Statistics	UGC	2015-17 (Ongoing)	Exact Distribution-free Two Sample Test Applicable to High Dimensional Data	400000	325000
5.	Kartik Kumar Nandi, Dept. of Chemistry	UGC	2014-16 (Ongoing)	Designing Of Sustainable Experiments; Green Reagents/Methodologies For Organic Chemistry Laboratory.	360000	280000
6.	Debashree Golder, Dept. of Zoology	UGC	2014-16 (Ongoing)	Bio-monitoring of water pollution by heavy metals in some Oxbow Lake in the southern parts of West Bengal	260000	190000
7.	Songlap Sarkar, Dept. of Bengali	UGC	2013-15 (Ongoing)	Bangla chhotogalpe prabin nagarik	122000	96000
8.	Papia Chakraborti Dept. of Botany	MoEF Govt. of India.	2011-12	Biodiversity Conservation as part of NEAC (National Environment Awareness Campaign)	10000	10000

Sl. No	Faculty Researcher and Department	Funding Agencies	Tenure	Title of research project	Total grant sanctioned (in Rs)	Total grant received till date (in Rs)
9.	Kartik Kumar Nandi, Dept. of Chemistry	UGC	2010-12	One-Pot Green ... Polynuclear Aromatics/ferrocenyls/ He	180000	180000
10.	Sanjib Chattopadhyay, Dept. of Zoology	UGC	2010-12	Role of aquatic weeds in bioremediation of water pollution	147000	147000
11.	Sukla Mukhopadhyay, Dept. of Physics	UGC	2010-12	Study of Polaronic Conduction Mechanism in Low Dimensional Semi Conductors in the Presence of Laser Field	120000	120000
12.	Nishi Pulugurtha, Dept. of English	UGC	2009-11	Diasporic Imagination and Female Subjectivity: A Study of the Poetry of Chitra Banerjee Divakaruni, Meena Alexander, Uma Parameswaran and Sujata	116000	115998
13.	Jayanta Kumar Dwivedi, Dept. of Economics	UGC	2009-11	Revisiting the Link between Child Labour and Economic Growth: A Reconciliation of Conflicting Views.	106000	100035
14.	Nayna Guha Majumder, Dept. of Economics	UGC	2009-11	Cost Benefit Analysis of Arsenic	75000	75000

List of members of faculty who are either pursuing or have been awarded their doctoral degree after joining

Sl. No	Name	Department	Institute	Year of Ph.D.
1	Shampa Bhattacharya	Bengali	Rabindra Bharati University	2003
2	Smritikana Chakraborty	Bengali	University of Calcutta	2004
3	Songlap Sarkar	Bengali	Burdwadn University	2009
4	Chandan Burman	Botany	University of Delhi	ongoing
5	Papia Chakraborti	Botany	University of Calcutta	2000
6	Manasi Basu	Chemistry	Jadavpur University	2003
7	Rathindranatha Mallick	Economics	Vidyasagar University	ongoing
8	Susmita Halder	Economics	University of Calcutta	ongoing
9	Jayanta Kumar Dwivedi	Economics	University of Calcutta	2008
10	Nishi Pulugurtha	English	University of Calcutta	2003
11	Aishika Chakraborty	History	University of Calcutta	2006
12	Aloke Kumar Chattopadhyay	History	University of Calcutta	2010
13	Indranil Chattopadhyay	History	University of North Bengal	2010
14	Shyamal Sen	Mathematics	University of Kalyani	2011
15	Subhrojyoti Debnath	Mathematics	University of Kalyani	2013
16	Sheikh Ahmed Hussain	Mathematics	National Institute of Technology, Durgapur	ongoing
17	Gangabrata Mukhopadhyay	Molecular Biology	University of Calcutta	1990
18	Shib Shankar Singha	Physics	University of Calcutta	ongoing
19	Pinaki Patra	Physics	Kalyani University	ongoing
20	Aparajita Nag	Physics	Jadavpur University	2001

Publications by Faculty Members

Year	Journal Publications	Books/Book chapters	Seminar Proceedings	Total Publications
2015	24	4	5	33
2014	22	9	2	33
2013	16	4	10	30
2012	6	8	4	18
2011	11	6	6	23
Total	79	31	27	137