



**UNIVERSITY OF CALCUTTA**  
**DEPARTMENT OF GEOGRAPHY**

**Full Name:** (DR.) DEBASIS GHOSH

**Designation:** Associate Professor

**Specialisation:** (i) Environmental Issues in Geography (in Master Degree)

(ii) Fluvial Geomorphology (in under graduate)

(iii) RS/GIS (Expertise in handling GIS software and engaged in GIS based research work for the last ten years. A digital data base of bank erosion of the Ganga (within West Bengal) has been prepared (upto mouza level) during PhD work and another digital data base creation is going on under UGC Project (bank erosion of Bhagirathi river within Burdwan District upto mouza level).

**Passport size Photograph:**



**Contact Information:** INDRAPRASTHA, NEAR HINDI SCHOOL, KABARDANGA, BABURBAG, BURDWAN-713104.

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### Academic Qualifications:

Exams. Passed	Board/University	Year	Division/Class	Other information
Bachelor's Degree Geography(Hons)	Burdwan University	1996	First	2 <sup>nd</sup> in 1 <sup>st</sup> Class
Master's Degree In Geography	Burdwan University	1998	First	1 <sup>st</sup> in 1 <sup>st</sup> Class & won <u>Gold Medal</u>
Research Degree (Ph.D)	Burdwan University	2008		Awarded on 15 <sup>th</sup> Jan 2008
Others(Diploma/Certificate etc)	(a)R.R.S.S.C, Kharagpur, IIT Campus (b) D.S.T, Govt of West Bengal	2000 2009		

### Award

- Won **GOLD MEDAL** for being Ist in Ist Class in MA Final Exam. 1998 (BU)
- Won Best paper award in 23<sup>rd</sup> WB State Science and Technology Congress (Geomorphology Technical Session)

### Research Experience:

Actively engaged in research for 10 years

**Title of the work/Thesis:** “Environmental Appraisal of Bank Erosion of the Ganga in Malda and Murshidabad Districts, West Bengal”

## Research Interests:

- (a) Remote Sensing and GIS Application
- (b) Environmental Issues in Geography
- (c) Applied Geomorphology
- (d) Sedimentology
- (e) Palaeo -Climatology
- (f) Hazard Study
- (g) Pedology

## Research Guidance

Number of researchers pursuing Ph. D: 05

## Projects

### 1. Completed Projects:

**Title:** “Mouza Level Digital Data Base Generation of Bank Erosion by the River Bhagirathi in Burdwan District”

**Funding agency:** University Grants Commission

### 2. Current Project: (UGC UPE- II)

**Title:** “Analysis and Assessment of Environmental Impact of River Bed Mining at Regional Scale: Case Study along Ajay and Dwarakeswar River, West Bengal”

**Funding agency:** University Grants Commission

## Administrative Experience:

1. Performed the duty of the member of the UG, BoS, Dept. of Geography, University of Calcutta
2. Performed the duty of the member of the PG, BoS, Dept. of Geography, University of Calcutta
3. Coordinators Ph.D Course Work 2019, Dept. of Geography, University of Calcutta

## RESEARCH PUBLICATION

Sl. No.	Title	Name of Journal (with Page No)	ISSN/ ISBN No.
1	Brick-Kilns Agglomeration adjacent to Barddhaman Town: A Geographical Inquiry	Geographical Review of India, Vol-72, No-1, Mar'2010, pp-29-39,	ISSN-0375-6386
2	Brick Fields and Their Impact on Ambient Environment: a Case Study at Barddhaman-II C.D. Block, WB	Institute of Landscape, Ecology & Ekistics (Vol. 33, No.-2, 2010, pp.-309-318	ISSN-0971-4170
3	Solid Waste Disposal, Environmental Problems, Management Status and Remedial Measures in the Barddhaman Municipal Town, West Bengal	Practising Geographer, Vol-15, No-1, 2011, pp.-307-318,	ISSN 0975-3850
4	Spatio-Temporal Growth and Socio-Economic Status of Slum Dwellers: A case study of Bilaspur City, Chhattisgarh, India	Practising Geographer, Vol-15, No-1, 2011, pp.-281-292,	ISSN 0975-3850
5	Tourism in Chhattisgarh: Potentiality, Problems and Strategies for Development	Institute of Landscape, Ecology & Ekistics (Vol. 34, No.-1, 2011, pp.-513-524,	ISSN-0971-4170
6	Nature and Cause of Water Crisis in Asansol Municipal Corporation, West Bengal	Practising Geographer, Vol-15, No-2, 2011, pp.69-84-,	ISSN 0975-3850
7	A Systematic Review of Nature and Cause of Poverty of Slum Dwellers: A case study of Bilaspur City, Chhattisgarh, India	Institute of Landscape, Ecology & Ekistics (Vol. 34, No.-2, 2011, pp.-603-612),	ISSN-0971-4170
8	Entropy application to evaluate the stability of landscape in Kunur River Basin, West Bengal, India	<b>Current Science (Dec 10, 2014)</b> (Vol. 107, No.-11, 2014, pp.-1842-1853,	ISSN-0011-3891
9	Evolution of the Eastern Ghat Belts (EGB) with Special Reference to Polyphase Deformation and Metamorphism, India,	Bhougoliki Vol.- 22, No.-01, July, 2015, pp.51-57	ISSN-2319-6122
10	Spatial Analysis of Health Care Facility: A Block Level Study in Purulia District, West Bengal,	International Journal of Innovative Research & Development; Vol.-4, Issue-9, August, 2015, pp.295-300	ISSN 2278-0211
11	Status of Secondary Education of Purulia District, West Bengal,	Manglam; Year 06 (02), Vol.-XI, August, 2015, pp.220-229	ISSN 0976-8149
12	Spatial Analysis of Facility of Secondary Education: A Case Study of Birbhum District, West Bengal,	International Journal of Multidisciplinary Educational Research; Vol.-4, Issue-9(3), September, 2015, pp.79-88	ISSN -2277-7881
13	Environmental Impact of Embankment Breaching: A Case Study Along Lower Reaches of Ajay River, West Bengal, India,	International Journal of Arts Humanities and Management Studies; Vol.-01, No-9, September, 2015, pp.44-54	ISSN-2395-0692
14	The Variation of Texture and Chemical Composition of Sediment: A Case Study from Bhimunipatnam Badland to Bhimilli Beach, Visakhapatnam, Andhra Pradesh, India,	International Journal of Engineering Studies and Technical Approach; Vol.-01, No-10, October, 2015, pp. 27-36	ISSN-2395-0900
15	Health Status of Eastern Blocks of Burdwan District, West Bengal,	International Journal of Arts Humanities and Management Studies; Vol.-01, No-10, October, 2015, pp.82-90	ISSN-2395-0692
16	Status of Higher Secondary Education in Purulia District of West Bengal,	Eduquest; Vol.-4, Issue-II, July-December, 2015, pp. 79-88	ISSN-2277-3614
17	Spatial Analysis of Health Care Facility: A Block Level Study in Birbhum District, West Bengal,	Journal of Environment and Sociobiology (CEBA); Vol-12, No-2, December, 2015, pp.191-200	ISSN-0973-0834
18	Spatial Analysis of Facility of Higher Secondary Education of Bankura District, West Bengal: A Geographical Enquiry,	Journal of Interacademia; Vol-19, No-4, October, 2015, pp.558-567	ISSN 0971-9016
19	The Influence of Physio-Chemical Process in Response to Both Gully Erosion and Microtopography Formation Near Beemunipatnam Badland Areas, Visakhapatnam, Andhra Pradesh,	Practising Geographer; Vol-19, No-2, Winter 2015, pp.-23-37	ISSN 0975-3850

20	Primary Education of Purulia District, West Bengal: A Geographical Enquiry,	Practising Geographer; Vol-20, No-1, Summer 2016, pp.-105-115	ISSN 0975-3850
21	Higher Secondary Education of Eastern Part of Burdwan District, West Bengal,	Bhougoliki; Vol.- 22, No.-02, December, 2015, pp.21-28	ISSN-2319-6122
22	Environmental Impact of Sand Mining: A Case Study Along the Lower Reaches of Ajay River, West Bengal, India,	Journal of Environment and Sociobiology (CEBA); Vol.- 13(1), June, 2016, pp.99-108	ISSN-0973-0834
23	Fluoride Contamination in Ground Water and Its Impact on Human Health: A Case Study in Purulia District, West Bengal,	Journal of Environment and Sociobiology (CEBA); Vol.- 13(1), June, 2016, pp.59-66	ISSN-0973-0834
24	Crime Against Women: A Study of Purulia District, West Bengal,	J.K. Times; Vol.-VIII, 2015, pp. 107-113	ISSN-2278-4047
25	Spatial Analysis of Healthcare Facility: A Community Development Block Level Study of Bankura District, West Bengal	Geographical Review of India, Vol.- 78(4), pp.337-348, December, 2016, ISSN-0375-6386	ISSN-0375-6386
26	Tribal People of Purulia and Their Quality of Life	Eastern Geographer, Vol.- 24(1), pp. 126-135, January, 2018, ISSN-0973-7642	ISSN-0973-7642
27	Downstream Variation in Bed Sediment Size and Sorting along Dwarakeshwar River in West Bengal, India	Geographical Review of India, Vol.- 80(2), pp.112-140, June, 2018, ISSN-0375-6386	ISSN-0375-6386
28	Educational Attainment of Tribal People: A Case Study in Ajodhya Gram Panchyat of Baghmundi C. D Block in Purulia District	Indian journal of landscape systems and ecological studies (IJLS & ES) Vol.- 41(2) pp.105-111, December, 2018	ISSN-0971-4170
29	Morphometric Evaluation Using Geo-Spatial Technology in The Kunur River Basin of West Bengal, India	Journal of Indian Geomorphology	Accepted, October, 2018
30	Education in the Bankura District, West Bengal	Springer Nature Switzerland AG 2020	Accepted, August, 2019

Sl. No.	Art/Chapter Title with Page Numbers	Book Title, Editor & Publisher	ISBN No.
1	Nature of Rugged Microtopography: A case Study along 'Erra Matti Dibbalu', Visakhapatnam, pp. 251-263	Environment, People and Management- A Developmental Perspective, Pan et. al. (ed.), Renu Publisher, New Delhi, 2016	978-93-85502-15-6
2	Spatial Analysis of Higher Secondary Education of Birbhum District, West Bengal pp. 36-45	Education in Twenty First Century, Pradhan & Mete (ed.), A.P.H. Publishing Corporation, New Delhi, 2016	978-93-85876-99-8
3	Nutrition and Child Health: Peeping at the Hilly Tract of Jangalmahal Area of Purulia, pp. 36-45	Food Security & Urbanization Equilibrium, Mahuya Sen (ed.), Ashadeep Publication, Kolkata, 2017	978-93-81245-88-0
4	Scenario of Bankura District, West Bengal: A Geographical Interpretation of Primary Education, pp. 396-405	Environmental Geography and sustainable Society, Pan et. al. (ed.), Concept Publishing Company Pvt. Ltd., New Delhi, 2018	978-93-86682-26-0

## Detailed of Ph D Supervision of Dr. Debasis Ghosh

Sl. No.	Name	Year (Registration)	Year (Award)	Title
1	SAMBIT SHEET	2014	-	<i>Hydrogeomorphology of The Lower Damodar Basin, West Bengal</i>
2	MRINAL MANDAL	2017	-	<i>A Geographical Analysis of Malnutrition in Purulia District, West Bengal</i>
3	ASRAFUL ALAM	2017	-	<i>Fluvial geomorphology and Water Resource Managment in lower Mayurakshi Basin, West Bengal</i>
	PIYALI SINGHA	2017	-	<i>Impact of Physical Landscape on Agriculture of Uttar Dinajpur District, West Bengal</i>
5	MONALI BANERJEE	2018	-	<i>Morphological and Sedimentological Characteristics of A Mixed Bedrock-Alluvial River Channel in Cratonic Fringe Region: A Study of Dwarakeswar River System, West Bengal</i>

### Membership of Learned Societies:

1. The Geographical Society of India, (GRI), Kolkata, WB
2. Institute of Indian Geographers (IIG), University of Pune, MH
3. Indian Institute of Geomorphologists, (IGI), Allahabad
4. Indian Association of Hydrologists' (IAH), Roorkee, UP
5. Indian Geographical Foundation, (IGF), Kolkata, WB
6. The Eastern Geographical Society, Bhubeneswar, Orissa

### Invited Lectures Delivered:

1. Dr. Gour Mohon Roy College, Monteswar, Burdwan
2. Rampurhut college, Rampurhat, Birbhum
3. Bijoy Krishna Girls' College, Howrah
4. THLH Mahavidyalaya, Mallarpur, Birbhum
5. Bangio Bhugol Mancha

