



Dr. Krishna Gopal Ghosh
Assistant Professor

Academic Qualification: M.A., Ph.D.

From: Visva-Bharati (A Central University), Santiniketan, W.B., INDIA,

Institutional Address: Presidency University, Kolkata, West Bengal, INDIA.

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Vision: To work devotedly in a co-ordinate manner with a vision to learn, teach and contribute for the benefit of the students, academic and communities at large.

Personal Details

Personal Information:

Name: Krishna Gopal Ghosh
Religion: Hindu
Mother Tongue: Bengali
Language Proficiency: Bengali, English and Hindi
Sex: Male
Nationality: Indian
Personal e-mail: available on request

Residence/Institutional Address:

Residence/Permanent	Office/Institutional
Available on request	Presidency University, Kolkata, West Bengal, W.B.; INDIA.

Referees: Available on request

Nature: Punctuality, Hardworking, Good understanding and co-ordination.

Hobbies: Rock and mineral collection, matches collection

Favorite Past time: Poetry writing, Recitation of folk poems and Occasional craft activities

Professional Details

Areas of Teaching:

UG: Geotectonics and Geomorphology; Thematic Cartography and Surveying; Nature and Natural Disasters; Hydrology

PG: Geotectonics and Geomorphology; Climatology and Oceanography; Advanced Analytical Techniques; Geo-environmental Issues; Streamflow Behaviour and Morphology; Geomorphology and Hydrology of Landscapes; Techniques in Environmental Geography; Techniques in River Science; Sediment in the Fluvial System; Riverine Landscape Components and Management; Dissertation Methods

Areas of Research Interest:

Fluvial-geomorphology: Risk and vulnerability assessment, Fluvial hydraulics and sediment transport;

Hydrology: Catchment hydrology, Flood hydrology, Hydro-meteorology and Hydrological statistics

Software Familiar With: GIS-ArcGIS, Surfer, Global Mapper; GPS- Garmin MapSource, *Statistical and Scientific Graphing:* SPSS, XL Stat, Origin, *Miscellaneous:* MS-Office Suite Programs & Applications, Corel Draw, Google Earth, Adobe Illustrator & Adobe Photoshop.

Major Publications

Latest Articles:

Paul, G. C., Saha, S., & **Ghosh, K. G.** (2020). Assessing the soil quality of Bansloi river basin, eastern India using soil-quality indices (SQIs) and Random Forest machine learning technique. *Ecological Indicators*, 118, 106804. <https://doi.org/10.1016/j.ecolind.2020.106804> [IF: 4.229]

Patel, P. P., Mondal, S., & **Ghosh, K. G.** (2020). Some respite for India's dirtiest river? Examining the Yamuna's water quality at Delhi during the COVID-19 lockdown period. *Science of the Total Environment*, 744, 140851. <https://doi.org/10.1016/j.scitotenv.2020.140851> [IF: 6.551]

Mahato, S., & **Ghosh, K. G.** (2020). Short-term exposure to ambient air quality of the most polluted Indian cities due to lockdown amid SARS-CoV-2. *Environmental Research*, 188, 109835. <https://doi.org/10.1016/j.envres.2020.109835> [IF: 5.715]

Ghosh, K.G. (2020). Sediment transport at the river confluences: few observations from a sub-tropical plateau fringe river of eastern India. *Geology, Ecology, and Landscapes (TF)*. <https://doi.org/10.1080/24749508.2020.1752501>

Mahato, S., Pal, S., & **Ghosh, K. G.** (2020). Effect of lockdown amid COVID-19 pandemic on air quality of the megacity Delhi, India. *Science of the Total Environment*, 730, 139086. <https://doi.org/10.1016/j.scitotenv.2020.139086> [IF: 6.551]

Published Articles in International Journals:

1. Ghosh, K. G. (2019). Flow dynamics at channel confluences: few observations from a sub-tropical plateau fringe river of Eastern India. *Arabian Journal of Geosciences*, 12(14), 1-18. <https://doi.org/10.1007/s12517-019-4576-9>
2. Ghosh, K. G. (2019). Spatial and temporal appraisal of drought jeopardy over the Gangetic West Bengal, eastern India. *Geoenvironmental Disasters*, 6(1), 1-21. <https://doi.org/10.1186/s40677-018-0117-1>
3. Ghosh, K. G. (2018). Analysis of Rainfall Trends and its Spatial Patterns During the Last Century over the Gangetic West Bengal, Eastern India. *Journal of Geovisualization and Spatial Analysis*, 2(3), 1-18. <https://doi.org/10.1007/s41651-018-0022-x>
4. **Ghosh, K. G.**, Pal, S., & Mukhopadhyay, S. (2016). Validation of BANCS model for assessing Stream Bank Erosion Hazard Potential (SBEHP) in Bakreshwar River of Rarh region, Eastern India. *Modeling Earth Systems and Environment*, 2(2), 1-15. <https://doi.org/10.1007/s40808-016-0172-0>
5. **Ghosh, K. G.**, & Pal, S. (2015). Impact of Dam and Barrage on Flood Trend of the Lower Catchment of Mayurakshi River Basin, Eastern India. *European Water*, 50, 3-23. https://www.ewra.net/ew/pdf/EW_2015_50_01.pdf

Published Articles in National Journals:

1. Ghosh, K. G. (2016). Spatial Heterogeneity of Catchment Morphology and Channel Responses: A Study on Bakreshwar River Basin, Eastern India. *Journal of Indian Geomorphology*, 4, 47-64. [https://indiageomorph.org/uploads/pdf/JoIG-v4-\(2016\)-p047-064_Ghosh--Catchment-morphology-and-channel-responses-of-Bakreshwar-basin.pdf](https://indiageomorph.org/uploads/pdf/JoIG-v4-(2016)-p047-064_Ghosh--Catchment-morphology-and-channel-responses-of-Bakreshwar-basin.pdf)
2. Ghosh, K. G., & Mukhopadhyay, S. (2014). Downstream Variation of Channel Hydro-morphology: A study on Bakreshwar River Channel, Eastern India. *Indian Journal of Landscape Systems and Ecological Studies*, 37(1), 267-275.

Published Chapters in Edited Books:

1. Ghosh, K. G. & Mukhopadhyay, S. (2020). Introductory Chapter: Current Practice in Fluvial Geomorphology: Research Frontiers, Issues and Challenges. In: K. G. Ghosh & S. Mukhopadhyay (Eds.) (2020). *Current Practice in Fluvial Geomorphology Dynamics and Diversity*. IntechOpen Ltd. <http://dx.doi.org/10.5772/intechopen.89687>
2. Ghosh, K. G. (2018). Geo-statistical Assessment of the Intensity, Duration, Frequency and Trend of Drought over Gangetic West Bengal, Eastern India. In T. V. Hromadka II & P. Rao (Eds.), *Topics in Hydrometeorology* (1st ed., pp. 63- 81). London, U.K.: IntechOpen Ltd. <http://dx.doi.org/10.5772/intechopen.80037>
3. Ghosh, K. G. (2016). Channel Stability Assessment of Bakreshwar River, Eastern India. In M. Mukhopadhyay, U. S. Malik, & S. Mukhopadhyay (Eds.), *Man-Nature Interface* (1st ed., pp. 147-168). Kolkata, India: Sopan Publishers.

Published Edited Books:

Ghosh, K. G. & Mukhopadhyay, S. (Eds.) (2020). *Current Practice in Fluvial Geomorphology Dynamics and Diversity*. IntechOpen Ltd. London, UK. URL: <https://www.intechopen.com/books/current-practice-in-fluvial-geomorphology-dynamics-and-diversity>

Major Presentations and Participations

Papers Presented in Seminars/Conferences:

Sl. No.	Title of the Paper Presented	Title of the Conference/Seminar, Year	Organized by	International/national level
1	Sediment transport at the river confluences: few observations from Bakreshwar river of Eastern India.	Geomorphology, Environment And Society, 2018	Department of Geography, Jamia Millia Islamia , New Delhi, India.	30 th IGI National Conference
2	Tributary and main stream interactions, flow dynamics and sediment transport at the confluences: few observations from a sub-tropical plateau fringe river of Eastern India.	Earth System Processes and Interruptions: Issues and Challenges, 2017	Dept. of Geography, University of Gour Banga	International
3	Intensity-Duration-Frequency and Trend of Droughts over Gangetic West Bengal, Eastern India: Spatial and Temporal (1901-2002) Analysis	Cartography for Analysis and Management of Climate Change, 2016	Department of Geography, Visva-Bharati, Santiniketan, West Bengal, India	36th INCA International Congress
4	Catchment Morphology and Channel Responses: A Study on Bakreshwar River, Eastern India	Fluvial Processes and Anthropogenic Foot Print, 2016	Dept. of Geography, University of Gour Banga	International
5	Analysis of Rainfall Trends over Gangetic West Bengal, Eastern India	Climate change and extreme weather: Assessment of vulnerability for early	Dept. of Disaster Management, Govt. Of W.B. in collaboration with Indian Met. Society (IMS) and the Univ. of Calcutta.	National
6	Evaluating the Corollary of Monsoonal Rainfall Variability on Rainfed Crops in Birbhum District, West Bengal in the Context of Climate Change: Adoption and Mitigation.	Health Care, Women Empowerment and Rural Development in India, 2015	A.K. Dasgupta Centre for Planning and Development, Dept. of Economics & Politics Visva-Bharati.	National
7	Effect of Dam and Barrage on Hydro-Geomorphological Consequences of Mayurakshi River, West Bengal.	Human Impact on Landscapes, 2015	Department of Geography, North Eastern Hill University, Shillong	28th IGI Annual Conference
8	Assessment of Potential Soil Erosion Risk: A Study on Bakreshwar River Basin, Eastern India	Environmental Prospects and Resource Management, 2015	Institute of Landscape Systems and Ecological Studies, Kolkata	International
9	Assessment of Stream Stability with Particular Reference to Bakreshwar River Channel of Eastern India	Research Frontiers in Man-Nature Interface, 2014	Dept. of Geography, Visva-Bharati and Foundation of Practicing Geographers	National
10	Spatial Surface Runoff and Soil Erosion Dynamics: A Case Study on Bakreshwar Basin, Eastern India	35st Indian Geographers' Meet and International Conference, 2013	Institute of Indian Geographers (IIG).	International
11	Estimation of Runoff Fluctuation of Bakreshwar River Basin of Rarh Bengal.	Upgrading Technologies and Degrading Earth's Environment: Reality or Myth, 2012	Indian Institute of Geomorphologists (IGI)	National

Major Presentations and Participations cont...

Workshops/Training Courses Attended:

Sl No.	Title of the Workshop/ Course, Year	Nature of the Course/Workshop	Sponsoring/Funding Agency	Duration	Host/Organizing Institute
1	Vulnerability of Sundarban in Changing Climate, 2017	Technical Knowledge Exchange Workshop for Bangladesh and India	The World Bank with collaboration with IWA, IDSA, WWF, EnGIO, ORF	2 days	The World bank in association with The Dept of Geog, Univ of Calcutta
2	Climate Studies and Emerging Issues, 2015	International Workshop	Visva-Bharati	2 days	Centre for Climate Studies, Visva-Bharati.

Other Academic/Professional Experience and Activities

Role as Reviewer for Scholarly Journals:

Manuscript reviewed for:

- Ecological Indicators*, Elsevier (Regular reviewer, IF: 4.490);
- Science of the total Environment* (IF: 6.5)
- Arabian Journal of Geosciences*-Official journal of the Saudi Society for Geosciences (IF 1.14);

Role as Technical Editor/ Rapporteur:

Role as Technical Editor 92017-2018)		
Name of the Journal	ISSN	Publisher
Indian Journal of Multidisciplinary Academic Research (IJMAR), Peer Reviewed Open Access Journal (2018)	ISSN: 2347-9884	Research and Consultancy Cell of Malda College
Role as Rapporteur		
Title of the Conference/Seminar, Year	Organized By	Nature
Population, Urbanization and Environment: Contemporary Issues and Challenges, 2018	Dept. of Geography, University of Gour Bango	International Seminar
Social Well-Being: Issues and Challenges in 21 st Century India., 2015	Dept. of Geography, University of Gour Bango	National Seminar

Other Academic/Professional Experience and Activities cont...

Memberships of Learned Society/Organization:

Sl. No.	Name of the Society/Organization	Headquarters	Life Membership Nos
1	Indian Institute of Geomorphologists (IGI)	Department of Geography, University of Allahabad, UP	L-533
2	Indian National Cartographic Association (INCA)	Survey of India, Uppal, Hyderabad, Telangana	2837
3	Institute of Indian Geographers (iig)	Department of Geography, savitribai Phule Pune University, Pune, Maharashtra	2757

Association/Experiences with Professional Bodies:

Acted as the

- Paper Setters* (Hydrology and Oceanography, PG), Kazi Nazrul University, Asansol (2019)
- External Examiner* (Advanced Statistics in Geography, PG), Aliah University, Kolkata (2019)
- Convener*, Undergraduate Examinations, Dept. of Geography, Presidency University (Even Semesters, 2019)
- Member of the Research Advisory Committee (RAC)* for the doctoral student Ms. Sayoni Mondal; Ms. Deblina Mitra and Mr. Mostafa Jamal of Presidency University (2019)
- Member, Board of Organisers* for National Seminar, Presidency University [Seminar theme: Negotiating Nature, Culture and the Future, 28th February - 1st March, 2019; Major Role Played: Prepared the Books of Abstracts]
- Head Examiner and Paper Setter* (UG, Geography, Theory) of the University of Gour Banga (2018)
- External examiner* (UG, Geography Practical) for the Raiganj University, Raiganj (2018)

- Board of Examiners (UG, Geography) of the University of Gour Banga (2017-2018)
- Member of the Research and Consultancy Cell, Malda College (2018)

Guidance and Students Support:

Field Survey and Reports Supervised (Joint Supervision):

UG 6th Semester, 2019: Channel morphological and socio-economic condition in the immediate (5 km) upstream and downstream stretch of Tilpara Barrage on the river Mayurakshi: An investigation

PG 3rd Semester, 2019: Examining the physiographic and channel morphological attributes of the Upper Bhagirathi river valley at Harsil, Uttrakhand

PG Final Semester Dissertation (2020) Supervised:

- Monitoring Spatio-Temporal Variation of Water Quality of Dams (*Sri. Manas Chakraborty*)
- An Appraisal of the Hydro-Morphological Stability of Mayurakshi River Flanked by Massanjore Dam and Tilpara Barrage (*Ms. Moumita Paul*)

Fieldwork Experience:

- 2019: Upper Bhagirathi river valley at Harsil, Uttrakhand
- 2018: 5 Km upstream and downstream of Tilpara Barrage on the river Mayurakshi
- 2010-2017: River Bakreshwar (Source to Confluence)
- 2015-2016: River Chandrabhaga (Few Selected Spots)
- 2013& 2016: Wetlands of Diara region, Malda
- 2015: River Subarnarekha (Few Selected Spots)
- 2014: River Kaindri (Few Selected Spots)
- 2014: River Kushkarani (Source to Confluence)
- 2010-2011 & 2013: River Mayurakshi (Source to Confluence)
- 2011 & 2013: River Kunur (Source to Confluence)
- 2011& 2012: River Kopai (Source to Confluence)
- 2010 & 2011: River Dwarka (Source to Confluence)

DECLARATION

I hereby declare that all the statements made in the curriculum vitae are true and correct to the best of my knowledge and belief.

Date: 25/07/2022

Place: Kolkata

Krishna Gopal Ghosh