

FACULTY MEMBER ACADEMIC PROFILE

Name of the Faculty member: Dr BALAI CHANDRA DAS

<https://orcid.org/0000-0001-5536-6825>

<https://scholar.google.com/citations?user=MGlrfVcAAAAJ&hl=en>



- 1. Designation:** Associate Professor in Geography (W.B.E.S.)
- 2. Qualification:** M.A. (Burdwan University), B.Ed. (K.U.), PhD (CU)

Qualification	University/ Board	From To	Score
Ph.D.	Calcutta University	2007 – 18.03.2013	-
M.A. in Geography	The University of Burdwan	1992-1994	63.67%
B.A. (Hons. In Geography)	The University of Burdwan	1989-1992	60.00%

3. Specialization: Fluvial Geomorphology, Limnology

4. E-mail address: drbalaidaskgc@gmail.com

5. Date of Joining in W.B.E.S.: 17.05.2007

6. Date of Joining this College: 18.11.2010

7. Teaching experience: 20 years. I am a teacher as well as a learner of geography. Teaching is a process of learning for me. I teach to enable my students to think freely & logically and to work rationally.

Institute served	Position	Nature of the post	From	To
Acharya Prafulla Chandra College, New Barrackpore, 24 Parganas (N), WB, India	Lecturer in Geography	Permanent	23.05.2003	16.05.2007
Darjeeling Government College, Darjeeling, WB, India	Assistant Professor in Geography	Permanent	17.05.2007	15.11.2010
Krishnagar Government College, Krishnagar, WB, India	Assistant Professor in Geography	Permanent	18.11.2010	20.09.2017
Krishnagar Government College, Krishnagar, WB, India	Associate Professor in Geography	Permanent	21.09.2017	Continuing

8. Research interests: Fluvial Geomorphology, Limnology, Ecosystem. His current research interest is in the fundamental geomorphology of rivers and lakes.

9. Title of thesis (PhD) with year: Changes and Deterioration of The Course of River Jalangi And Its Impact on The People Living on Its Banks, Nadia, West Bengal. 14.03.2013

10. Research guidance:

10.1. PhD thesis: Nil

10.2.M. A. / M.Sc. Dissertations Supervised 37 Nos.

Sl. No.	Year	Title Of Dissertation	Submitted By
1	2011	Problem of Road Transport System at Krishnagar Municipality	Sweety Nandi
2	2011	Urban Sewage Problems of Krishnagar Municipality, West Bengal	Shampa Ghosh
3	2012	Road Encroachment of Krishnagar Municipality	-
4	2012	Banning of Plastic Carry Bag of Krishnagar Municipality	Ashis Biswas
5	2012	Population Growth in Krishnagar Municipality and Its Impact on Anjana River	Ranadip Das
6	2012	Solid Waste Management in Kolkata Metropolis	Tanay Chatterjee
7	2013	Status of Education of Slum Dwellers of Krishnagar Municipality, Ward No. 10	Minhazul
8	2013	Domestic Violence: A Case Study of Chakdaha Municipality	Pritam Paul
9	2013	Past, Present and Future of The Clay Modelling Industry in Krishnagar	Siddhartha Sen
10	2014	Role of Christian Missionaries in The Educational Scenario of Krishnagar Municipality	Sayantani
11	2014	Urbanization Versus Sujala Nadia: A Study on Krishnagar Municipality and Anjana River	Sagar Saikh
12	2015	Tourism in Krishnagar	Manab Ghosh
13	2015	Tourism in Nabadwip	Aakash Chakraborty
14	2016	Shapes of Pothole: A Case Study on River of Gold Line, Ghatsila, Jharkhand, India	Bapan Das
15	2016	Analysis of Bed Forms of a Bed Rock Channel; Subarnarekha, India	Lopamudra Rakshit
16	2016	Farakka Barrage and Bank Erosion	Anupam Ghosh
17	2017	Does Flood Plain Oxbow Lake Differ from Deltaic Oxbow Lakes?	Subhadwip Mondal

18	2017	Dna Fingerprint to Detect Parent River of Oxbow Lakes	Pratima Roy
19	2017	Past Glory of a Moribund River Anjana, Reason of Its Decay and Impact on Socioeconomic Development	Rokibul Gharami
20	2017	Channel Morphometry of a Dying River: Anjana	Mousumi Sarkar
21	2017	Geometric Characteristics of Sand Ripples of Bhagirathi I55n Nabadwip, Nadia District	Abhijit Ghosh
22	2018	Two Way Feedback Relationships Between Forms and Processes of a Waterfall	Chiranjit Chakrabarty
23	2018	An Appraisal to Process-Forms Feedback Mechanisms of a Bedrock Channel	Puja Ghosh
24	2018	Controls of Channel Bar on Sediment Transport and Growth of The Bar Itself	Sanchita Saha
25	2018	Comparison Between Plunge Pool Dynamics on Two Different Substrate	Debika Das
26	2019	Morphometric Analysis of a Plunge Pool and Searching for Headwall Retreat Model	Susmita Jana
27	2019	Morphology of pothole and Lithological control on it	Rimpa Mondal
28	2020	<i>Drop Height and Plunge Pool Depth Ratio: A Study on Selected Waterfalls in India</i>	Dibyendu Biswas
29	2020	Plunge Pool Morphology: A Study on Sita Waterfalls, Jharkhand, India	Pallabi Malakar
30	2020	Morphology of Waterfalls: A Study on Dassam Waterfalls, Jharkhand, India	Suprova Ghosh
	2021		COVID-19
31	2022	'Width-Depth Ratio as an Alternative Tool to Estimate the Efficiency of a River Channel'	Shrabani Das
32	2022	'The Impulse of River Crossing on Moribund Channel Morphology: A Case Study on Road Bridge on Jalangi River at Krishnagar'	Rohini Sarkar
33	2023	Nexus between Channel and Bar Dynamics: Spatio-Temporal Analysis of a Reach of the Bhagirathi-Hooghly River	Abhinaba Dutta
34	2023	<i>Temporal Evolution and Spatial Patterns of Bar Morphology: A Comprehensive Investigation of a Reach of the Bhagirathi-Hooghly River</i>	Priti Biswas
35	2023	The Nexus between Urbanization and the Diminishing River Services: A Comprehensive Analysis of Anjana River, Krishnagar City, Nadia, West Bengal	Ranita Banerjee
36	2023	Urbanization and River Services: A perception study on Krishnagar and Anjana River	Jhumur Sarkar
37	2023	Educational Status of Muslim Women's In Domkal Municipality, Murshidabad District, West Bengal	Sahina Khatun

11. Research Projects (Completed): 01

Year	Name of PI	Title of Project	Amount (in lakh Rs.)	Duration	Funding Agency with date
2014-2016	Balai Chandra Das	Wetlands with Immense Potential for Sustainable Development: A Case Study on Major Wetlands of C. D. Block – Krishnagar –II, Nadia, West Bengal	3,05,000/-	2 years	UGC No. F. PSW-097/13-14, dated 18 th March 2014

12. List of publications:

A. Published papers in Journals:

1. Das BC (2024). Morphological Dynamics of Mid-Channel Bars under Controlled River Regime. *Water Resources Management*. DOI : <https://doi.org/10.1007/s11269-024-03901-0>
2. Islam, A., Das, B.C., Mahammad, S. *et al.* (2024). Assessing river water quality for ecological risk in the context of a decaying river in India. *Environ Sci Pollut Res*. <https://doi.org/10.1007/s11356-024-33684-1>
3. Sarkar, B., Das, B. C., Islam, A., Datta, D., Pawlik, L., & Quesada-Román, A. (2024). Temporal change in channel form and hydraulic behaviour of a tropical river due to natural forcing and anthropogenic interventions. *Physical Geography*, 1-35. <https://doi.org/10.1080/02723646.2024.2335740>
4. Das, B. C. (2024). Compliance of discharge estimates from proxy parameters: a study on an ungauged station of a Himalayan river. *Sustainable Water Resources Management*, 10(2), 98. <https://doi.org/10.1007/s40899-024-01059-6>
5. Das, B. C. (2024). Exploring the past to discern the present: The role of historico-geographical study in differentiating natural river channels from artificial canals. *River*. 1-18. <https://doi.org/10.1002/rvr2.73>
6. Hoque MM, Islam A, Islam ARMT, Das BC, Pal SC, Arabameri A, Khan R (2023). Spatio-temporal assessment of water quality of a tropical decaying river in India for drinking purposes and human health risk characterization. *ESPR*. <https://doi.org/10.1007/s11356-023-29431-7>.
7. Das, B. C. (2023). In Search Of Birthplace Of Sri Chaitanya: Part I. A Study On Hagiographies Up To 17th Century. *Studia Universitatis Babeş-Bolyai Geographia*, 63-91. <https://doi.org/10.24193/subbgeogr.2023.1.05>
8. Das BC (2023). চূর্ণী এক চুরি করা জলের নদী: জনশ্রুতি আর সত্যের সন্ধানে. Cūrṇī ēka curi karā jalēra nadī: Janaśruti āra satyēra sandhānē. In Bengali. [APRIL 2023 | Maadhukari.com](https://www.maadhukari.com/apr-2023) . <https://www.maadhukari.com/apr-2023>
9. Susmita Ghosh, Aznarul Islam, Adolfo Quesada-Román, Abu Reza Md. Towfiqul Islam, Subodh Chandra Pal & BC Das (2023) Taxonomic approach and potential anthropic indices to understanding cross-sectional morphology and landscape modification of a tropical river Basin, India, *Physical Geography*, <https://doi.org/10.1080/02723646.2023.2236839>
10. Das, B. C., Islam, A., & Barman, S. D. (2023). Estimating dominant discharge of Sankh River, India. *Arabian Journal of Geosciences*, 16(5), 296. <https://doi.org/10.1007/s12517-023-11382-5>

11. **Das, B. C., & Islam, A. (2023).** Reviewing braiding indices of the river channel in an attempt to establish alternatives. *MethodsX*, 102042. <https://doi.org/10.1016/j.mex.2023.102042>
12. Islam A, Sardar N, Mohinuddin S, Hoque MM., Sengupta S, **Das BC**, Ghosh S, Wanchang Z, Saha UD, Islam ARMT, Deb barman S, Sarkar B, & Sengupta B. (2023). Quasi-equilibrium channel metamorphosis in planform of a subtropical river in India in post-dam period. *CATENA*, 221, 106793. <https://doi.org/10.1016/j.catena.2022.106793>
13. Sarkar B, Islam A, **Das BC**, Nandy S (2022). Corrosion and scaling potential of groundwater in Quaternary aquifers of Bengal Basin, India. *Arabian Journal of Geosciences* 15 (12), 1-21. <https://doi.org/10.1007/s12517-022-10415-9>
14. **Das, B.C., Islam, A. & Sarkar, B. (2022).** Drainage Basin Shape Indices to Understanding Channel Hydraulics. *Water Resour Manage* 36, 2523–2547 <https://doi.org/10.1007/s11269-022-03121-4>
15. **Das, B.C. (2022).** Influence of lithology-controlled hydraulics on pothole evolution. *Acta Geophys.* <https://doi.org/10.1007/s11600-022-00880-x>
16. Sarkar B, Islam A, **Das BC (2021).** Role of declining discharge and water pollution on habitat suitability of fish community in the Mathabhanga-Churni River, India. *Journal of Cleaner Production*. 129426. ISSN 0959-6526. <https://doi.org/10.1016/j.jclepro.2021.129426>
17. **Das BC (2021).** Morphometry of Plunge Pools and Retreat Mechanism of Waterfalls. *Environmental Earth Sciences*. **ISSN:** 1866-6280 (print); 79:137. 1866-6299 (web). Springer. <https://doi.org/10.1007/s12665-020-09301-y>
18. **Das BC, Islam A, Biswas B (2020).** Morphometry as Tool to Trace Out the Genealogy of Oxbow Lake. *Environmental Earth Sciences*. **ISSN:** 1866-6280 (print); 79:137. 1866-6299 (web). <https://doi.org/10.1007/s12665-020-8854-3>
19. Islam A, **Das BC**, Maji NK, Deb Barman S (2020). Assessing meander belt width of Bhagirathi-Jalangi river system in lower Ganga delta, India. *European Journal of Geography*. ISSN: 17921341, 11:1. P 140-162. http://www.eurogeographyjournal.eu/articles/09_ISLAM_140_162.
20. **Das BC (2019).** Control of Substrate on Pothole Geometry. *Current Science, India*. ISSN-0011-3891, VOL. 117, NO. 2, 25 JULY 2019 pp.275-281. <https://www.currentscience.ac.in/Volumes/117/02/0275.pdf>
21. **Das BC (2019).** A Study on Impact of Bridge Construction on Channel Dynamics, West Bengal, India. *Scientific Journal of K F U (Humanities and Management Sciences)*. Saudi Arabia. ISSN-1319-6944, Vol. 20, No. 1, pp-265-279. <https://services.kfu.edu.sa/scientificjournal/Handlers/FileHandler.ashx?file=h20114.pdf&Folder=UploadFiles>
22. **Das BC (2018).** Development of Streambed Potholes and The Role of Grinding Stones. *Journal of Environmental Geography, Hungary*. ISSN- 2060-467X, Vol. 11, No. 1-2, pp. 9-16. <https://doi.org/10.2478/jengeo-2018-0002>
<https://www.degruyter.com/downloadpdf/j/jengeo.2018.11.issue-1-2/jengeo-2018-0002/jengeo-2018-0002.pdf>

23. **Das BC (2017)**. Bathymetric and Chemical Analysis of an Ox-Bow Lake in View of Aquaculture. *Journal of Aquaculture & Marine Biology*, ISSN-2378-3184, Vol. 6, No. 6, pp. 1-5. <https://medcraveonline.com/JAMB/bathymetric-and-chemical-analysis-of-an-ox-bow-lake-in-view-of-aquaculture.html>
24. Biswas B, **Das BC (2016)**. Hydraulic Parameters and Morphometric Variables Interaction in Bedrock Channel. *Questions Geographicae*, Poland, ISSN: 0137-477X, Vol. 35, No. 3, pp. 75-88. <https://content.sciendo.com/view/journals/quageo/35/3/article-p75.xml>
25. **Das BC (2016)**. Crocodile–Tears for Jarwas. *Conscientia*, India. ISSN: 22788 – 6554, Vol. 4, No. 1, pp. 71-87
26. **Das BC (2015)**. Vertical Asymmetry of River Channel Cross-Sections: A Study on A Moribund Deltaic Channel. *Studia UBB Geographia*, Romania, ISSN: 0970-9258, January 1, 2015. Vol. LX, No. 2, pp. 45-51. <http://studiageographia.geografie.ubbcluj.ro/wp-content/uploads/2016/02/Das.pdf>
27. Guchhait SK, Islam A, Ghosh S, **Das BC**, Maji NK (2016). Role of Hydrological Regime, In-Channel and Floodplain Sediments in Channel Instability of Meandering Bhagirathi River, Ganga - Brahmaputra Delta, India. *Physical Geography, Taylor & Francis*, US. ISSN- 0272-3646, Vol. 37, No. 6, pp. 1-36. <https://www.tandfonline.com/doi/abs/10.1080/02723646.2016.1230986>
28. Islam, A and **Das BC (2015)**. Quantitative Indices to Measure Unit Channel Bar Location: A Theoretical and Empirical Study. *Ethiopian Journal of Environmental Studies & Management*, Ethiopia. ISSN:1998-0507, Vol. 8, No. 6, pp. 628-634. <https://www.ajol.info/index.php/ejesm/article/view/122042>
29. **Das BC**, Islam A (2015). Channel Asymmetry Of An Ox-Bow Lake: A Different Perspective. *International Journal of Ecosystem*, SAP, USA, p-ISSN: 2165-8889, e-ISSN: 2165-8919, Vol. 5, No. 3A, pp. 69-74 . <http://article.sapub.org/10.5923.c.ije.201501.10.html>
30. **Das BC**, Das S (2015). The Role Of Beels In Flood Mitigation- A Case Study Of Krishnanagar- II Block In Nadia District, West Bengal, India. *International Journal Of Innovative Research & Development*, India. ISSN 2278 – 0211 (Online), Vol. 4, No. 4, Pp. 397-401
31. **Das BC** and Islam A (2015). Formulation of Channel Bed-Asymmetry Indices and their Application to the River Jalangi, India. *Asian Profiles*, Hong Kong , ISSN: 0304-8675, Vol. 43, No. 5, pp. 457-463. <http://www.asianresearchservice.com/V43-5.pdf>. Or <file:///C:/Users/user/Desktop/10.5923.c.ije.201501.10.pdf>
32. **Das BC (2015)**. Socio-economic Impact of a Decaying River on Fishermen: A Case Study of Taranipur Village, West Bengal. *International Journal of Research in Management Science & Technology*, India. ISSN: 2321-3264, Vol. 3, No. 4, pp. 141-149
33. **Das BC (2015)**. Problem of Banning of Plastic Carry-Bags: A Case Study of Krishnagar Municipality, West Bengal. *The Geographer*, India. ISSN: 0072-0909, Vol. 62, No. 2, pp. 75-82
34. **Das BC (2015)**. Modeling Of Most Efficient Channel Form: A Quantitative Approach. *Modeling Earth Systems and Environment*, Springer, ISSN 2363-6203, Vol. 1, No. 15, pp. 1-9. <https://doi.org/10.1007/s40808-015-0013-6>
35. **Das BC (2015)**. In Search of Ideal Form-Ratio of Triangular Channel. *Studia UBB Geographia*, Romania, ISSN: 0970-9258, Vol. 59, No. 2, pp. 77-86

36. **Das BC (2015)**. Fluvial History of the River Jalangi. *Nabadwip Puratatva Parishad Patrika*, **India**. ISSN- 2395-0005, Vol- XI, P- 86-102
37. **Das BC and Mukhopadhyay S (2015)**. Comparison of Channel-Form Indices (C_fI) Between Lake and River Channels. *International Journal of Research in Management, Science & Technology*, **India**. ISSN: 2321-3264, Vol. 3, No. 3, pp. 60-63
38. **Das BC (2014)**. Impact of In-Bed and On-Bank Soil Cutting By Brick Fields on Moribund Deltaic Rivers: A Study of Nadia River in West Bengal. *The NEHU Journal*, **India**. ISSN. 0972 - 8406, Vol. XII, No. 2, July - December 2014, Pp. 101-111.
39. **Das BC (2014)** Alternative Tourism: Potency of Beels of C.D. Block Krishnagar-II. *Journal of Business and Management*, **Taiwan**. e-ISSN 2278-487X, p-ISSN 2319-7668. Dec. **2014**, Vol. 16, Issue 12, Ver. III, 31-37.
40. **Das BC (2014)**. Asymmetry of River Channel Cross-Sections: A Review. *International Journal of Research in Management Science & Technology*. **India**. ISSN: 2 321-3264, Vol. 2, No. 3, pp. 15-18
41. **Das BC (2014)**. Asymmetry of Ox-Bow Lake Channel. *Conscientia*, **India**. ISSN 2278-6554, vol. 2, No. 2, p. 66-72
42. **Das BC (2014)**. Asymmetry in River Channel below zero level and above zero level. *River Behaviour and Control*. River Research Institute, Haringhata, **India**. ISSN: 0970-9258, Vol. 35, Pp-19-28
43. **Das BC (2012)**. Origin of Beels in Moribund-Delta of West Bengal: A Case Study on Beels of C. D. Block Krishnagar-II. *Conscientia*, , **India**. ISSN- 2278-6554, Vol. 2, No.1. p. 40-45
44. **Das BC (2012)**. Form-ratio of deltaic channels: a case study of the river Jalangi. *Conscientia*, **India**. ISSN 2278-6554, vol. 1, No. 3, P. 49-53

X. Data

- i) Data on POTHOLES at Ghatshila, Jharkhand.xlsx
<http://onlinelibrary.wiley.com/doi/10.1002/2014GL062900/abstract>
- ii) Das, Balai Chandra (2023): Fall height_depth of plunge pool and catchment area of Seven Waterfalls_Hundru_Jonha_Dassam_Sita_Ghagra_Dharagiri_Turga.xlsx. figshare. Dataset.
<https://doi.org/10.6084/m9.figshare.21258663.v1>

B. Chapters in Books:

1. **Das, B. C.**, Das, S., Sarkar, B., Das, S., Adhikari, R., Saha, D., ... & Sarkar, R. (2024). Geospatial assessment of water quality of a dying tropical river and its environmental implications. In *Spatial Modeling of Environmental Pollution and Ecological Risk* (pp. 409-421). Woodhead Publishing. <https://doi.org/10.1016/B978-0-323-95282-8.00039-0>
2. Islam, A., Sarkar, M., Hossain, M. A., Mahammad, S., Hoque, M. M., **Das, B. C.**, ... & Shit, P. K. (2024). Arsenic contamination of groundwater in the Gangetic West Bengal (India) and its impact on human health, society, and economy. In *Spatial Modeling of Environmental Pollution and Ecological Risk* (pp. 371-391). Woodhead Publishing. <https://doi.org/10.1016/B978-0-323-95282-8.00033-X>

3. Das BC, Das S, Sarkar B (2023). Floods of Jalangi and Mathabhanga-Churni Rivers, Indo-Bangladesh. In Islam et al (2023). In *Floods in the Ganga–Brahmaputra–Meghna Delta*. Springer Nature. <https://doi.org/10.1007/978-3-031-21086-0>
4. Ghosh, S., Roy, S., Islam, A., Shit, P. K., Datta, D. K., Islam, M. S., & Das, B. C. (2023). Floods of Ganga-Brahmaputra-Meghna Delta in Context. In *Floods in the Ganga–Brahmaputra–Meghna Delta* (pp. 1-17). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-031-21086-0_1
5. Sarkar, B., & Das, B. C. (2022). A Cross-Sectional Study on the Water Quality and Ecosystem Health of the Jalangi and Bhagirathi River and Their Selected Oxbow-Lakes. In *Fluvial Systems in the Anthropocene: Process, Response and Modelling* (pp. 353-367). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-031-11181-5_19
6. Bhattacharya, S., Bhattacharya, H.N., Das, B.C., Islam, A. (2022). Neotectonic Movements and Channel Evolution in the Indian Subcontinent: Issues, Challenges and Prospects. In: Bhattacharya, H.N., Bhattacharya, S., Das, B.C., Islam, A. (eds) *Himalayan Neotectonics and Channel Evolution*. Society of Earth Scientists Series. Springer, Cham. https://doi.org/10.1007/978-3-030-95435-2_1
7. Das BC, Deb Barman S and Islam A (2022). Influence of Neotectonics on Channel Evolution of Kameng River, North–East Himalaya. In Bhattacharya HN, Bhattacharya S, Das BC, Islam A (2022) Edited. *Himalayan Neotectonics and Channel Evolution*. ISBN978-3-030-95434-5. <https://doi.org/10.1007/978-3-030-95435-2>
8. Islam A, Das BC, Mahammad S, Ghosh P, Deb Barman S, Sarkar B (2021). Deforestation and its impact on sediment flux and channel morphodynamics of the Brahmani River Basin, India. In Shit et al. (24.6.2021) eds. *Forest Resources Resilience and Conflicts*. ISBN: 978-0-12-822931-6. Elsevier Inc. P-377-416. <https://doi.org/10.1016/B978-0-12-822931-6.00029-0>
9. Das BC, Ghosh S, Islam A and Roy S (2020). An Appraisal to Anthropogeomorphology of the Bhagirathi-Hooghly River System: Concepts, Ideas and Issues. In Das et al. (2020) eds. *Anthropogeomorphology of Bhagirathi-Hooghly River System in India*. ISBN (eBook) 9781003032373. Taylor & Francis Group. <https://doi.org/10.1201/9781003032373>
10. Das BC and Bhattacharya S (2020). The Jalangi: A Story of Killing of a Dying River. In Das et al. (2020) eds. *Anthropogeomorphology of Bhagirathi-Hooghly River System in India*. Taylor & Francis Group. ISBN (eBook) 9781003032373. <https://doi.org/10.1201/9781003032373>
11. Das BC and Das D (2020). The Anjana: A Journey from River to Canal. In Das et al. (2020) eds. *Anthropogeomorphology of Bhagirathi-Hooghly River System in India*. Taylor & Francis Group. ISBN (eBook) 9781003032373. <https://doi.org/10.1201/9781003032373>
12. Sarkar B, Islam A and Das BC (2020). Anthro-Footprints on Churni River: A River of Stolen Water. In Das et al. (2020) eds. *Anthropogeomorphology of Bhagirathi-Hooghly River System in India*. Taylor & Francis Group. ISBN (eBook) 9781003032373. <https://doi.org/10.1201/9781003032373>
13. Islam A, Sarkar B, Das BC, Deb Barman S. (2020). Assessing Gully Asymmetry Based on Cross-Sectional Morphology: A Case of Gangani Badland of West Bengal, India in Shit P et al. (2019) Eds. *Gully Erosion Studies from India and Surrounding Regions*. Springer Nature Switzerland AG. ISBN 978-3-030-23242-9 ISBN 978-3-030-23243-6 (eBook) <https://doi.org/10.1007/978-3-030-23243-6> P.69-92
14. Barman SD, Islam A, Das BC, Mandal S, Pal SC (2019). Imprint of Neo-Tectonism in The Evolutionary Record along the Course of Khari River in Damodar Fan Delta of lower Ganga Basin. In Das et al (2019) *Quaternary Geomorphology in India - Case Studies from the Lower Ganga Basin*. Springer. ISSN 2366-8865. ISBN 978-3-319-90426-9. P. 105-126, https://doi.org/10.1007/978-3-319-90427-6_6

15. **Das BC, Ghosh S, Islam A (2019).** Quaternary Geomorphology in India: Concepts, Advances and Applications. In Das et al (2019) Quaternary Geomorphology in India - Case Studies from the Lower Ganga Basin. *Springer*. ISSN 2366-8865. ISBN 978-3-319-90426-9. P. 105-126. https://doi.org/10.1007/978-3-319-90427-6_1
16. **Das BC, Islam A (2016).** Analysis of Channel Asymmetry: A Different Perspective. In Das et al. (2016) Neo-Thinking on Ganges-Brahmaputra basin Geomorphology. *Springer*. ISBN – 13:978-3319264424. P. 33-42. https://doi.org/10.1007/978-3-319-26443-1_3
17. **Das BC, Islam A (2016).** An Enquiry into Fitting Natural Channel Shape to Geometric Shape: A Study on River Jalangi, India. In Das et al. (2016) Neo-Thinking on Ganges-Brahmaputra basin Geomorphology. *Springer*. ISBN – 13:978-3319264424. P. 33-42. https://doi.org/10.1007/978-3-319-26443-1_5
18. **Das BC (2015).** Crying with the River: A Study on a Dying River and Her Famished Fishermen. In Ismail and Alam (2015) 'Life and Living Through Newer Spectrum of Geography. Mohit Publications, New Delhi 110 002, ISBN 978-81-7445-690-8, p. 3-22

C. Books:

1. Aznarul Islam, Pravat Kumar Shit, Dilip Kumar Datta, M. Shahidul Islam, Suwendu Roy, Sandipan Ghosh, **Balai Chandra Das (2023).** Floods in the Ganga–Brahmaputra–Meghna Delta. Springer Nature. <https://doi.org/10.1007/978-3-031-21086-0>
2. Bhattacharya HN, Bhattacharya S, **Das BC, Islam A (2022)** Edited. Himalayan Neotectonics and Channel Evolution. ISBN978-3-030-95434-5. <https://doi.org/10.1007/978-3-030-95435-2>
3. Das BC, Ghosh S, Islam A, Roy S (2020). Anthropogeomorphology of Bhagirathi-Hooghly River System in India. ISBN 9780367557270. Taylor & Francis Group. <https://doi.org/10.1201/9781003032373>
4. Das BC, Ghosh S, Islam A (2019). Quaternary Geomorphology in India - Case Studies from the Lower Ganga Basin. Springer, ISSN 2366-8865, ISBN 978-3-319-90426-9, p. 224. <https://link.springer.com/book/10.1007/978-3-319-90427-6>
5. Das BC, Ghosh S, Islam A (2015). Neo-Thinking on Ganges –Brahmaputra Basin Geomorphology. Springer, ISSN 2194-315X, ISBN 978-3-319-26443-1, p. 177. <https://www.springer.com/gp/book/9783319264424>

D. Seminar Proceedings:

1. **Das BC (2015).** Teaching –Learning Problem Of Geography In Higher Education In West Bengal. In Proceedings of UGC Sponsored National Seminar on 'Education for Sustainable Development in 21st Century' At Union Christian Training College, Murshidabad. ISBN 658-81-929776-0-7, p. 84-87

2. **Das BC**, Dnyanoba KR (2015). Refugee For The Politics, By The Politics And Of The Politics: A Case Study On Dhubulia Refugee Colony, Nadia, West Bengal. In Souvenir, BCUD, Savitribai Phule Pune University Sponsored National Conference On Interdisciplinary Approach In Green Science (Iags-2015) 14th February 2015, ISBN – 978-93-81659-13-7, p. 86-96
3. **Das BC** (2014). Two Indices to Measure the Intensity of Meander. In ‘Landscape Ecology and Water Management’, Proceedings of IGU International Conference, Rohtak Conference, Vol- 2, Edited by Mehtab Singh, R.B. Singh, and M.I. Hassan, Published by **Springer**, Japan, ISSN:2198-3542, ISBN: 978-4-431-54870-6, p. 233-246
4. **Das BC** (2014). Anthropogenic causes of channel shifting and decaying of deltaic rivers: a study on the river Jalangi. In National Seminar on ‘Application of modern techniques for the management of contemporary environmental hazards and disasters’. Proceedings of UGC sponsored national seminar, published by Dept. of Geography, Haringhata Mahavidyalaya, West Bengal Edited by- D.K. Khan & Sayantani Nath (Bhadra), ISBN 978-81-929776-0-7, p. 92-105
5. **Das BC** (2014). Flood Mitigation And ‘Sujala Nadia’ Vs Urbanization: A Study on Problem And Prospects Of Recovering Of Anjana River. In National Seminar on ‘Application of modern techniques for the management of contemporary environmental hazards and disasters’. Proceedings of UGC sponsored national seminar, published by Dept. of Geography, Haringhata Mahavidyalaya, West Bengal Edited by- D.K. Khan & Sayantani Nath (Bhadra), ISBN 978-81-929776-0-7, p. 336-341
6. **Das BC** (2014). Taming Makes Wild. In UGC Sponsored National Seminar on ‘Contemporary Issues On Environment & Development In India And Adjacent Countries’, Edited By Sanjib Majumder, S., Sandhya Prakasan, Kolkata, Proceedings of UGC sponsored national seminar, ISBN: 978-81-928047-2-9, p. 91-98

13. Membership of Learned Societies/ Editorial Boards, etc.:

- i) Konkan Geographers’ Association (Life Member)
- ii) Foundation of Practising Geographers, Kolkata (Life Member)
- iii) Nabadwip Puratattva Parishad, Nabadwip, (Life Member)
- iv) Paschim Banga Vigyam Mancha (PBVM), (Since 2014)

14. Patents: Nil

15. Awards:

Name	Name of the Granting Authority	Year	Type of Award (Monetary/Certificate)	Remarks
Dr. Haradhan Ghatak Smriti Puraskar	Nabadwip Puratattva Parishad	2012	Monetary + Certificate	For the best paper in the Annual Seminar on History, Archeology and Folk Culture
Darshanik Arunprasad Sen Smriti Puraskar	Nabadwip Puratattva Parishad	2013	Monetary + Certificate	For the best paper in the Annual Seminar on History, Archeology and Folk Culture

Dr. Haradhan Ghatak Smriti Puraskar	Nabadwip Puratattva Parishad	2014	Monetary + Certificate	For the best paper in the Annual Seminar on History, Archeology and Folk Culture
Dr. Haradhan Ghatak Smriti Puraskar	Nabadwip Puratattva Parishad	2017	Monetary + Certificate	For the best paper in the Annual Seminar on History, Archeology and Folk Culture

16. Other notable activities:

- i) Associated as editorial board member with one international journals and reviewed for *Springer, Elsevier, Academic Journals (AJ), Qeios, De Gruyter, etc journals.*
- ii) Acted as a member of the *Scientific Committee of IWC-2016 and WRAA-2020 held at Sultan Qaboos University, Oman.*
- iii) Participated River Cities Network (RCN) meeting (25.11.2023 to 28.11.2023) held in Bangkok, Thailand organized by The International Institute for Asian Studies (IIAS) of Leiden University, Netherland with the issue resilience of Anjana River and the city of Krishnagar.
- iv) Participated meeting held on 29.03.2022 and 23.03.2023 at Office of the District Magistrate and Collector, Nadia as a member of 'Jalangi Action Plan'.

17. Participation in Seminars/Symposia/Conferences/Workshops: More than 30

18. Participation in OP/RC:

Name of the Course/ Summer School	Place	Duration	Sponsoring Agency
Refresher Course	UGC- Academic Staff College (Ranchi University)	21 days (17.11.2016 to 07.12.2016)	UGC
Refresher Course	UGC- Academic Staff College (Rani Durgawati Viswavidyalaya, Jabalpur)	21 days (01.09. 2014- 20.09. 2014)	UGC
Refresher Course	Academic Staff College (University of Calcutta)	21 days (10.02.2005 – 02.03.2005)	UGC
Orientation Programme	Academic Staff College (University of Calcutta)	28 days (27.11.2006 – 23.12.2006)	UGC
Orientation Programme	Academic Staff College (The University of Burdwan)	28 days (03.06.2014 – 3.06.2014)	UGC