

Faculty Profile

2018-2023

1. Personal Details:

Name: Nabendu Sekhar Kar

Qualification: M.Sc., B.Ed., P.G. Dip. in RS & GIS

Designation: Assistant Professor

Department: Geography

Email id: naba1224@gmail.com

Teaching Experience [substantive post only]: Nine years

2. Previous work places:

- Assistant Professor (Substantive Post) of P.G. Department of Geography in Chandernagore Government College (W.B.E.S.), Hooghly, 2014-15
- CSIR Senior/Junior Research Fellow, Department of Geography, University of Calcutta, 2012-14

3. Academic Credentials:

- ‘SAR Image Processing with Open Source Software’ Certification from Jadavpur University, 2020
- Topper in P.G. Diploma in Applied Remote Sensing and GIS (Geoinformatics) from CAD Centre, Computer Science and Engineering Department, Jadavpur University, 2014
- CSIR Senior/Junior Research Fellow, under Department of Geography, University of Calcutta, 2012-2014
- B.Ed. First Class from David Hare Training College, University of Calcutta, 2012
- Recipient of UGC-JRF in Geography, 2012
- Recipient of CSIR-UGC-JRF in Earth Sciences (All India Rank 12), 2011
- ‘Application of GIS & GPS in Resource Mapping’ Certification from RS-GIS Institute, Kolkata, 2011
- M.Sc. First Class from Department of Geography, University of Calcutta, 2010
- B.Sc. First Class Rank holder, University of Calcutta, 2008
- Computer Competency Certification from NIIT, 2004

4. Courses Taught:

1st Semester (Hons.): Geotectonics & Geomorphology, Cartographic Techniques

2nd Semester (Hons.): Human Geography, Cartograms and Thematic Mapping

2nd Semester (Gen.): Human Geography

3rd Semester (Hons.): Climatology, Coastal Management

3rd Semester (Gen.): Cartographic Techniques, Geographical Information System

3rd Semester (Generic elective): Geography of Tourism

4th Semester (Hons.): Regional Planning & Development, Economic Geography, Environmental Geography, Research Methods

4th Semester (Gen.): Environmental Geography

4th Semester (Generic elective): Climate Change: Vulnerability and Adaptations

5th Semester (Hons.): Remote Sensing and GIS, Social Geography

5th Semester (Gen.): Soil & Biogeography

6th Semester (Hons.): Geographical Thought, Disaster Management, Soil & Biogeography

5. Administrative Experience (if any):

- Editor of the journal '*Himalaya Prasanga*' [ISSN: 2231-1076], oldest Bengali journal on issues related to Himalayas, published by *Himalaya Samiksha Parishad, Kolkata*
- Acted as paper setter, and examiner of various papers of *Vidyasagar University* and *Netaji Subhas Open University*.
- Convener, joint-convener and member of several academic & administrative committees (admission, purchase, IQAC, website etc.) of *Shahid Matangini Hazra Govt. General Degree College for Women, Purba Medinipur*
- Served as HoD, *Department of Geography, Shahid Matangini Hazra Govt. General Degree College for Women, Purba Medinipur, 2015-2016*

6. Specialization and Research Interests:

Specialization: Geomorphology of Humid Tropics

Research Interests: Earth System Science, RS-GIS, Historical Geography, & Geography of Tourism

Software Skills: QGIS, ArcGIS, Erdas Imagine, PCI Geomatica, Map Info, TNT Mips, SPSS Statistics.

Working Knowledge of Instruments: Differential GPS, Total Station, Echo Sounder, etc.

7. Publications: (Research article, General article, Books, Books chapter etc.)

A. Research Articles

International

- Bandyopadhyay, S., **Kar, N.S.**, Dasgupta, S., Mukherjee, D. & Das, A. (2023). Avulsion of the Brahmaputra in Bangladesh during the 18th–19th century: A review based on cartographic and literary evidence, *Geomorphology (Elsevier)*, 422, 108482, [ISSN 0169-555X] <https://doi.org/10.1016/j.geomorph.2022.108482>
- Bandyopadhyay, S, Das, & **Kar, N.S.** (2021). Avulsion of the Brahmaputra in Bangladesh during the 18th–19th century: A review based on cartographic and literary evidence, *Geomorphology (Elsevier)*, 384, 107696, [ISSN 0169-555X] <https://doi.org/10.1016/j.geomorph.2021.107696>
- Das, S., Das, A., **Kar, N.S.**, & Bandyopadhyay, S. (2020). Cyclone Amphan and its impact on the Lower Deltaic West Bengal: a preliminary assessment using remote sensing sources. *Current Science (Current Science Association & Indian Academy of Sciences)*. 119(8), pp. 1246-1249. [ISSN: 0011-3891]
- **Kar, N.S.**, Basu, A., Kundu, M. & Giri, A. (2020). Urban heritage tourism in Chandernagore, India: revival of shared Indo-French Legacy. *GeoJournal (Springer)*, 87, pp. 1575–1591 (2022). <https://doi.org/10.1007/s10708-020-10328-8>

National

- **Kar, N.S.** (2020). আবহাওয়ার পূর্বাভাস, *Bhugol Swadescharcha*, Vol. 15(1), pp. 7-11. Uttarpara. [ISSN 2581-4788]
- **Kar, N.S.** (2019). সমুদ্র উপকূল ব্যবস্থাপনার রূপরেখা, *Bhugol Swadescharcha*, Vol. 14(2), pp. 28-32. Uttarpara. [ISSN 2581-4788]

B. General Articles

- Kar, N.S. (2021). মহাবিশ্বের উৎস সন্ধান, *Srijani College Magazine*, Shahid Matangini Hazra Government General Degree College for Women.
- Kar, N.S. (2020). Purbasthali Meander Cut-Off – A Study, *Srijani College Magazine*, Shahid Matangini Hazra Government General Degree College for Women.

- **Kar, N.S.** (2018). বঙ্গপাতের গতি প্রকৃতি, *Saptahik Bartaman Magazine*, 31(17), 25 August 2018 Issue (এত বাজ পড়ছে কেন ?), Bartaman Pvt. Ltd.

C. Book Chapters/Books

International

- Chakraborty, R., **Kar, N.S.**, Ghosh, R. (2022). A People's Biodiversity Register of Henry's Island, Indian Sundarban. In: Sahana, M., Areendran, G., Raj, K. (eds.) *Conservation, Management and Monitoring of Forest Resources in India (Springer, Cham)*. https://doi.org/10.1007/978-3-030-98233-1_11
- Basu, A., & Kar, N.S. (2021). Reassessment of Urban Sustainability and Food Security in the Light of COVID-19. In: Chakraborty, C., Roy, S., Sharma, S., Tran, T.A. (eds.) *The Impact of the COVID-19 Pandemic on Green Societies (Springer, Cham)*. https://doi.org/10.1007/978-3-030-66490-9_2
- Basu, A., Nandy, G., & Kar, N.S. (2021). Evaluating the viability of shrimp aquaculture to impede climate change in the Sundarbans: Experiences from Bangladesh. In Kar, M., Mukhopadhyay, J. & Deb Sarkar, M. (eds.) *South Asia and Climate Change: Unravelling the Conundrum (Routledge, London)* pp. 156-188. <https://doi.org/10.4324/9781003045731>
- **Kar, N.S.**, Das, S., Bandyopadhyay, S. (2021). Anthropogeomorphology of the Lower Deltaic West Bengal with Special Reference to the Hugli River System. In: Das, B.C., Ghosh, S, Islam, I., Roy, S. (eds.) *Anthropogeomorphology of Bhagirathi-Hooghly River System in India (CRC Press)*, pp. 83-122. https://doi.org/10.1201/9781003032373_3
- Basu, A., **Kar, N.S.**, & Kundu, M. (2020). Urban heritage tourism alongside the bank of Hugli: Carrying forward the legacy of "Little Europe in Bengal," India. In: Dixit, S.K. (ed.) *Tourism in Asian Cities (Routledge, London)*, <https://doi.org/10.4324/9780429264801>
- **Kar, N.S.**, Das, S. (2020). Flood-Prone Ghatal Region, India: A Study on Post-'Phailin' Inundations of 2013. In: Bandyopadhyay, S., Magsi, H., Sen, S., Ponce Dentinho, T. (eds.) *Water Management in South Asia. Contemporary South Asian Studies (Springer, Cham)*, pp. 69-89. https://doi.org/10.1007/978-3-030-35237-0_5
- Bandyopadhyay, S., & **Kar, N.S.** (2019). An Inventory for Land Use Land Cover and Landform Identification from Satellite Standard FCC: A Study in the Active Ganga Delta, In: Das, B.C. et al. (eds.) *Quaternary Geomorphology in India*,

(Springer Nature), pp. 205-219. (Geography of the Physical Environment). [ISBN 978-3-319-90426-9] DOI: 10.1007/978-3-319-90427-6

National

- Bhattacharya, D., **Kar, N.S.**, & Ghosh, R. (2021). Post-Fani Cyclone Vulnerability Assessment of Puri town: A Remote Sensing and GIS Based Approach, *New Age Cartography and Geospatial Technology in Digital India*, 39th INCA International Congress, Dehradun (India), Indian Cartographic Association (INCA) & Survey of India, 2021
- **Kar, N.S.**, & Bandyopadhyay, S. (2020). সুন্দরবনে জঙ্গল হাসিল, জম্মু ও হেনরী দ্বীপ: কিছু প্রশ্ন, In: Purkait, S. & Mandal, U. *Prosongo Sundarban (Dwitio Khondo; Bhugol o Poribesh, Kolkata)* pp. [ISBN-9-23. 2020 978-81-940947-1-0]
- **Kar, N.S.** (2020). An Evaluation of MOOCs in GIS: Initiating A New Paradigm, In: Sarkar, R. (ed.) *Education in the 21st Century: Emerging Issues and the Way Forward (Namya Press)*, pp. 3-15. [ISBN-978-81-947715-8-6]
- Nandi, P & **Kar, N.S.** (2018). Urban Expansion and Change of Landuse of Baidyabati Municipality: 1977-2015. In: Pan, S et al. (eds.) *Environmental Geography & Sustainable Society (Concept Publishing Company Pvt. Ltd.)*, pp. 149-161. [ISBN-13: 978-9386682-26-0]

8. Patents (if any): None

9. Research Project (if any): None

10. Research Supervision (Ph.D./M.Phil.): None

11. Seminar/Workshop participated:

Seminar/ Conference Presentation (s)

<i>International</i>			
Sl. No.	Organisation/Event	Title of the Paper	Year
1.	Food, Water, and Nutrition Security for Health and Wellbeing, Department of Geography, Shaheed Bhagat	Re-Assessing Urban Sustainability and Food Security in the Light of COVID-19 Pandemic	2021

	Singh College, University of Delhi		
2.	Implications of Covid-19 on Local & Regional Sustainable Development: A Glocal Perspective, IGU-India International	Cyclone Preparedness Plan for Coastal Blocks of Indian Sundarban	2020
3.	Sustainable Development & Inclusive Growth, Department of Geography, Lady Brabourne College, Kolkata	Anthropogeomorphology of the Lower Deltaic West Bengal, India	2020
4.	Man & Environment: Issues & Challenges, Department of Geography, Subarnarekha Mahavidyalaya, Paschim Medinipur	Hugli Basin-The tidal stretch of the Bhagirathi-Hugli River: Anthropogeomorphic Facets	2019
5.	12 th World Congress of the RSAI	The analysis of Flood Hazard in the Ghatal C.D. Block of Paschim Medinipur District, W.B., India	2018

National

Sl. No.	Organisation/Event	Title of the Paper	Year
1.	32 nd Conference of the Indian Institute of Geomorphologists	Cyclone Amphan and its Impact on the Lower Deltaic West Bengal: An Assessment using Remote Sensing Sources	2021
2.	Impact of Pandemic on Sundarbans, Shahid Matangini Hazra Government General Degree College for Women, W.B & National Institute of Disaster Management, Ministry of Home Affairs,	Impact on Super Cyclonic Storm Amphan on Sundarban	2021

	New Delhi		
3.	Geography as Spatial Science: Contemporary Issues & Challenges, Department of Geography, Aliah University, Kolkata	Anthropogeomorphic Facets of the Hugli Basin: The Tidal Stretch of the Bhagirathi-Hugli River	2019

Seminar/Conference Attended

Sl. No.	Organisation/Event	Level	Year
1.	ESRI India User Conference, 2023, Kolkata	Regional	2023
2.	Geomorphology: Recent Trends and Related Issues, Krishnagar Government College, Krishnanagar, W.B.	National	2021
3.	Geospatial Technology Applications, Diamond Harbour Women's University, Sarisha, W.B.	National	2021
4.	Flood Resilience: Opportunities and Challenges of the event DRR Week 2020, Resilient Bangladesh, Bangladesh & Bhugol o Paribesh, India	International	2020
5.	Modalities of Publication: Ethics, Repository and Advanced Search, Department of Geography & IQAC, Heramba Chandra College, Kolkata	National	2020
6.	Statistical Physics Models of Epidemic Spreading, Department of Physics, Shahid Matangini Hazra Government General Degree College for Women, W.B.	Regional	2020
7.	Chemistry- The Challenges and Opportunities, Department of Chemistry, Shahid Matangini Hazra Government General Degree College for Women, W.B.	International	2020
8.	Impact of Climate Change on Rural Livelihood: A Geographical Review, Sambhu Nath College, Labpur, W.B	International	2020
9.	Cries Behind the Closed Rooms: COVID 19,	State	2020

	Domestic Violence and Mental Health, Department of Political Science & IQAC, Shahid Matangini Hazra Government General Degree College for Women		
10.	Contemporary Urban Scene, Krishnagar Government College, Krishnanagar, W.B.	International	2020
11.	Viral Infection and Immunity: Physiological Aspects and Preventive Strategy, Department of Physiology & IQAC, Belda College, Belda, W.B.	International	2020
12.	Conservation of Biodiversity and Sustainability: Issues and Challenges, Diamond Harbour Women's University, Sarisha, W.B.	Regional	2020
13.	ESRI India User Conference, 2018, Kolkata	Regional	2018

Workshop/Training Programme Participation

Sl. No.	Organisation	Theme	Duration
1.	Shahid Matangini Hazra Government General Degree College for Women	Interactive Programme on Covid-19 Awareness: Staying Connected	29 May 2021
2.	HRDC, North Eastern Hill University	UGC Sponsored Refresher Course in Tribal Studies	1- 16 November 2021
3.	HRDC, University of Calcutta	UGC Sponsored Interdisciplinary Refresher Course in E-Content, OER & MOOCs	3- 15 February 2020
4.	HRDC, Jadavpur University	UGC Sponsored 74 th Orientation Programme	26 August- 16 September 2019
5.	Mahatma Gandhi National Council of Rural Education, MHRD, Govt. of India, & HRDC, Jadavpur University	Experimental Learning, Community Engagements and Rural Immersion	6- 7 September 2019
6.	IEST Shibpur (TEQIP-III) &	Climate Change and Water	21 June 2019

	MHRD, Govt. of India	Crisis	
7.	Commission of Scientific and Technical Terminology, MHRD, India, held at Khudiram Bose Central College	Use of Scientific and Technical Terminology in International Relations	21 -22 April 2018

Invited Lectures as Resource Person

- ‘Concepts in Geomorphology: Catastrophism, Uniformitarianism, Steady State, Dynamic Equilibrium, System Concept’ in the ‘Three Days International Lecture Series on Applied Geomorphology’, organised by Department of Geography, Mahapurusha Srimanta Sankardeva Viswavidyalaya, Nagaon, Assam, India, 14 December 2022
- ‘Workshop on QGIS (3.10)’, organised by Department of Geography, Gokhale Memorial Girls’ College Kolkata, 9- 10 December 2022
- ‘One Day State Level Virtual Workshop on GIS & Remote Sensing based on UG-CBCS Syllabus in Geography of University of Calcutta’, organised by Department of Geography, Raidighi College, Raidighi, W.B. and Board of Undergraduate Studies in Geography, University of Calcutta, 26 October 2022
- ‘One Day Workshop on CBCS in Undergraduate Geography Honours Course: Semester 5 and 6’, organised by Department of Geography, Shri Shikshayatan College, Kolkata, Faculty Council for Undergraduate Studies and Board of Undergraduate Studies, University of Calcutta, 10 September 2022
- ‘In the middle of Know-Where: GNSS and its Application’ in ‘Avenues of Contemporary Geography’, organised by Department of Geography, Magrahat College, 27 September 2020
- ‘Increasing Frequency of Tropical cyclone and its Impact on Coastal Bengal’, organised by Department of Geography & IQAC, Saheed Anurup Chandra Mahavidyalaya, 20 July, 2020
- ‘Use of GPS in locating plant and animal species & preparing distribution maps’, organised by Department of Zoology, Dinabandhu Andrews College, Kolkata, 7 November 2019

- ‘Coastal Geomorphology & Coastal Vulnerability: Some Observations on Human Responsibility’, organised by Raidighi College, Raidighi, 21 September 2019

12. Programmes Conducted / Organised as Convenor / Organising Secretary, etc.

- Co-organiser of national webinar on ‘Post Vaccination Impact on International border trading in Sundarbans’, organised by Shahid Matangini Hazra Government General Degree College for Women, W.B & National Institute of Disaster Management, Ministry of Home Affairs, New Delhi, 29 May 2021
- Organising secretary of ‘One Day Webinar on Air Quality during Lockdown: Experience of West Bengal’ (Speaker: Dr. Kalyan Rudra, Chairman, WBPCB), organised by Department of Geography, Shahid Matangini Hazra Government General Degree College for Women, Purba Medinipur, 02 October 2020

13. Achievements/Awards/Membership:

◆ Won best paper award (with Bhattacharya, D. & Ghosh R.) in the Indian Cartographic Association (INCA) & Survey of India, Dehradun-organised 39th INCA International Congress ‘*New Age Cartography and Geospatial Technology in Digital India*’ for the presentation on “*Post-Fani Cyclone Vulnerability Assessment of Puri town: A Remote Sensing and GIS Based Approach*”, 2019

◆ *Membership of Professional /Academic Bodies*

- Geographical Society of India – Life Member
- Indian Institute of Geomorphologists – Life Member
- Himalaya Samikhsha Parishad – Life Member

14. Any Other Relevant Information:

- Prepared content for Self Learning Modules in Geography (Module CC 201: Unit 3 & 4 and DSE 404: Unit 1 & 2) for M.A./M.Sc. Course under *Netaji Subhas Open University*, 2022
- Assisted project team members of *University of Calcutta* in ‘Elevation Survey using a Unmanned Aerial Vehicle (Drone) at Gangasagar’ related to a project entitled ‘Demarcation of Floodplain Zone of the Ganga and Bhagirathi–Hugli Rivers in West

Bengal' by the West Bengal Pollution Control Board to fulfil a directive from the Honourable National Green Tribunal, 03 February 2022

- Co-chaired a session in an international seminar on '*Sustainable Development & Inclusive Growth*', organised by Department of Geography, *Lady Brabourne College Kolkata*, 2020
- Prepared content for Self Learning Modules in Geography (Module CEC 4.1 & CEC 1.4) for M.A./M.Sc. Course under DDE, *Rabindra Bharati University*, 2020
- Prepared content for Self Learning Module in Geography (Module 20) for M.A./M.Sc. Course under DDE, *Vidyasagar University*, 2020
- Prepared content for Self Learning Module in Geography (Module 8, 9 & 10) for M.A./M.Sc. Course under DDE, *Vidyasagar University*, 2018
- Organised educational/field trip to *Tamluk River Banks (2023)*, *Rishop-Darjeeling (2022)*, *Dayapur-Gosaba (2022)*, *Mirpur-Geonkhali (2021)*, *Tamluk Historical Sites (2022)*, *Balasore-Nilgiri-Chnadipur (2019)*, *Potmaya-Pingla (2019)*, *Ghatal (2020, 2017)*, *Indian Museum (2018)*, and *Garhbeta Badlands (2018)* with UG students of *Shahid Matangini Hazra Government General Degree College for Women, Purba Medinipur*
- Supervised UG Geography Project reports on
 - 2019-20: '*Ghatal Flood 2017: An Assessment*'
 - 2021-22: '*Cyclone-induced Coastal Erosion & its Impact on the Livelihood of Dayapur Village Satjelia Island, Indian Sundarban*
 - 2022-23: '*River Overflow Flood in the Tamluk Municipality during the Yaas Cyclone of May, 2021: A Case Study*'

Date: 25 July 2023