

# Curriculum vitae



## Dr. Jayanta Das

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Assistant Professor and Head of the Department,  
Department of Geography, Rampurhat College  
City- Rampurhat, Birbhum, Pin- 731224, West Bengal, India

Co-ordinator, IIRS Outreach Programme

PI ICSSR Project

PI ANRF funded Project

Email: [jayanta.daas@gmail.com](mailto:jayanta.daas@gmail.com), Mobile: +91 9735333399

**ORCID:** [0000-0003-0995-9114](https://orcid.org/0000-0003-0995-9114)

**Scopus:** [57216782359](https://scopus.com/authorid/57216782359)

**Web of Science ResearcherID:** Q-2708-2018

**Vidwan:** <https://vidwan.inflibnet.ac.in/profile/260591>

**Google Scholar:** <https://scholar.google.com/citations?hl=en&user=j6ekzokAAAAJ>

**Research Gate:** <https://www.researchgate.net/profile/Jayanta-Das-7>

## Academic Qualification

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**Ph.D in Geography**, Department of Geography and Applied Geography, University of North Bengal, West Bengal, India (2018)

**Ph.D. Thesis Title:** Strategies for replacement of tobacco cultivation in Dinhata subdivision of Koch Behar district, West Bengal, India.

**Supervisor:** Dr. Sudip Kumar Bhattacharya

**M.Sc. in Geography and Applied Geography**, Department of Geography and Applied Geography, University of North Bengal, West Bengal, India (2008).

**BA in Geography**, Department of Geography, Anand Chandra College, University of North Bengal, West Bengal, India (2006).

## Areas of Research Interest

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Climate change,

Applied Geomorphology,

Hazard monitoring and Management,

Soil and Agricultural Geography,  
Remote Sensing and GIS,  
Environmental Geography.

## Editorial Work

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1. Lead Guest editor for special issue on **Integrating Geospatial Intelligence and Machine Learning for Smart Environmental Monitoring and Management**, *Journal of Environmental Science and Pollution Research*, IF- 5.8 (2022), Springer-Verlag GmbH Germany  
<https://www.springer.com/journal/11356/updates/26089106>
2. Editor: *Journal of Water*, Open Access Pub (<https://openaccesspub.org/journal/water/editorial-board>)
3. Lead Guest editor for Volume – 15, No. A special issue, 2024, *Indian Journal of Spatial Science*,  
<https://www.indiansss.org/ijss/past-issue>
4. Lead Guest editor for special issue on **Climate Change and Human Intervention on Hydro-Geomorphological Hazards in the Era of Sustainability**, *Hill Geographer*, UGC Care listed Journal

## Publication

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### Book

1. **Das, J.**, and Bhattacharya, S. K. (Editors) (2023). *Monitoring and Managing Multi-hazards: A Multidisciplinary Approach*. Springer, Cham. <https://doi.org/10.1007/978-3-031-15377-8>
2. **Das, J.**, and Halder, S. (Editors) (2023). *Advancement of GI-Science and Sustainable Agriculture - A Multi-dimensional Approach*. Springer, Cham. <https://doi.org/10.1007/978-3-031-36825-7>
3. **Das, J.**, and Alam, A. (Editors) (2023). *Recent Advancement in Geographical Studies: A Multidimensional Outlook*. Rajesh Publications, ISBN: 9789391139605
4. **Das, J.**, and Halder, S. (2024). *New Advancement in Geomorphological Research: Issues and Challenges in Quantitative Spatial Science*, Springer, Cham, <https://doi.org/10.1007/978-3-031-64163-3>
5. Chouhan, P., Roy, A., Kapasia, N., **Das, J.**, and Rahaman, M., (2024). *Sexual and Reproductive Health of Women - Dimensions and Perspectives*, Springer, Cham, <https://doi.org/10.1007/978-981-97-8418-9>
6. Biswas, B., Ghute, B., and **Das, J.** (2025). *Geoinformatics for Flood Risk Management: Applications and Strategies*, CRC Press, <https://doi.org/10.1201/9781003533511>
7. **Das, J.**, Pradhan, B., Mitra, R., Chouhan, P., and Le, C., (2025). *Technology-Based Solutions for Sustainable Groundwater Management: Challenges, Models, and Strategies*, Elsevier, ISBN-9780443337871
8. **Das, J.**, and Halder, S. (2025). *Progress in Multicriteria Decision Making Models: A New Paradigm to Monitor Hazards*, Springer, Cham, <https://doi.org/10.1007/978-3-031-89246-2>.

9. Chouhan, P., Das, K.C., Roy, A., Kapasia, N., Rahaman, M., and **Das, J.**, (2025). Women's Health Dynamics in South Asia: Perspectives, Challenges, and Innovations, Springer, Cham, <https://link.springer.com/book/9789819523207>
10. Roy, A., Rahaman, M., Chouhan, P., Kailash Das, K.C., Kapasia, N., **Das, J.** (2025) Sustainable Women's Health: Perspectives from South Asia, Springer, Cham, <https://link.springer.com/book/9789819518050>
11. **Das, J.** and Alam, J. (2025) Recent Advancement in Geographical Research: Instances from India, Springer, Cham, <https://link.springer.com/book/9783031933349>
12. **Das, J.** and Alam, J. (2025) Exploring New Dimensions for Sustainable Development Goals - Innovative Approaches in Geographical Research 2024, Springer Nature Switzerland AG, <https://link.springer.com/book/9783032004567>
13. **Das, J.**, Mondal, T., Mawale, G.N., Kamruzzaman, M., and Alam, G. M. (2025). The Nexus between Geography and Sustainability: Exploring Emerging Tools and Techniques, Springer Nature Switzerland AG (Submitted)
14. Ghosh, D., Roy, R. and Das, J., (2026). Rivers of Humid Tropic in the Anthropocene - Fluvial Dynamics, Human Interventions, Health and Possible Future, Springer Nature Switzerland AG (Submitted)

### **Publications in Journals**

1. Bora, S.L., Bharali, S., Bhuyan, K., **Das, J.**, Hazarika, P., Eliwa, M., Abdalla, G. S. and Abouelenein, M. (2025). Detecting Warming Trends and Climate Regime Transitions Using Satellite-Derived Temperature Data in Northeast India. *European Journal of Pure and Applied Mathematics*, 18(3), 6655. <https://doi.org/10.29020/nybg.ejpam.v18i3.6655>
2. Golder, J., **Das, J.** & Bhandari, G. (2025). Impact of Climate Change and Anthropogenic Activities on Shallow Landslide Initiation in Pangthang, East Sikkim: A Geospatial Technology and FAHP-Based Approach. *J. Inst. Eng. India Ser. A*. <https://doi.org/10.1007/s40030-025-00906-9>
3. Meer, M.S., Mishra, A.K., Nagaraju, V., **Das, J.**, and Tariq, A. (2025). Satellite-based assessment of extreme rainfall during the 2019 Indian monsoon: climatic linkages to IOD and ENSO. *Model. Earth Syst. Environ.* **11**, 305 (2025). <https://doi.org/10.1007/s40808-025-02489-7>
4. Rajput, S., Mohanta, A., Banerjee, B. **Das, J.**, Mishra, S., and Sankar, H. (2025). Harnessing GIS, remote sensing, and machine learning for sustainable management and carbon sequestration of non-timber forest products in Gujarat, India. *Agroforest Syst* **99**, 92 <https://doi.org/10.1007/s10457-025-01186-9>
5. Barman, J., Biswas, B., **Das, J.**, Hasher F.F.B., & Zhran, M., (2025). Least cost path analysis for alternative road network assessment of landslide-prone NH-2, Mizoram, NE India. *Geocarto International*. 40:1, 2490268, <https://doi.org/10.1080/10106049.2025.2490268>
6. Roy, S.K., Dey, S., **Das, J.**, Hossen, B., Das, S., Hasan, M.M., Mojumder P., (2025). Utilising Machine Learning Approaches for Enhanced Landslide Susceptibility Mapping in Sikkim, India, *Geological Journal*. <https://doi.org/10.1002/gj.5198>

7. Mitra, R., **Das, J.** (2025). Identification of channel shifting patterns and bank erosion-prone sites and challenges of riverine livelihood in the lower Tista River basin. *Environ Sci Pollut Res.* <https://doi.org/10.1007/s11356-024-35857-4>
8. Barman, J., Halder, S., **Das, J.**, Ali, S. S., Hasher, F. F. B., Rukhsana, & Zhran, M. (2024). Sustainable Ecotourism Suitability Assessment Using the Intergraded TOPSIS Model in the State of Mizoram, India. *Sustainability*, 16(24), 11066. <https://doi.org/10.3390/su162411066> IF. 3.3
9. Abraham, M., Santhanam, K., Meer, M.S, and **Das, J.**, (2024) An approach to demarcate prospective areas for groundwater recharge A case Study of Upper Thuringal Tamil Nadu, India, Physics and Chemistry of the Earth, Parts A/B/C, 136, 103780 <https://doi.org/10.1016/j.pce.2024.103780>
10. Zhran, M., Ghanem, K., Tariq, A. Alshehri, F., Jin, S., **Das, J.**, Pande, C.B., Pramanik, M., Hasher, F.F.B., & Ashraf Mousa (2024). Exploring a GIS-based analytic hierarchy process for spatial flood risk assessment in Egypt: a case study of the Damietta branch. *Environ Sci Eur* **36**, 184. <https://doi.org/10.1186/s12302-024-01001-9>
11. Arefin, R., Rahman, A.T.M.S., **Das, J.** Jahan, C.S., Mazumder, Q.H., Goma E., Abd El Aal, A.K., Radwan, A.E. and Youssef, Y.M. (2024). Megacity solid waste disposal suitability mapping in Dhaka, Bangladesh: an integrated approach using remote sensing, GIS and statistics. *Environ Monit Assess* **196**, 910. <https://doi.org/10.1007/s10661-024-13067-2>
12. Osman, S. A., & **Das, J.** (2024). A robust ensemble of hybrid and bivariate statistical models for flood prediction mapping in Lower Damodar River Basin of India. *Geosystems and Geoenvironment*, 3(4), 100312. <https://doi.org/10.1016/j.geogeo.2024.100312>
13. Saha, P., Mitra, R., **Das, J.**, & Mandal, D. K. (2024). Urban Flash flood prediction modelling using probabilistic and statistical approaches, *Results in Earth Sciences*, 2, 100032. <https://doi.org/10.1016/j.rines.2024.100032>
14. Barman, J., & **Das, J.** (2024). Assessing classification system for Landslide susceptibility using Frequency Ratio, Analytical hierarchical process and geospatial technology mapping in Aizawl district, NE India. *Advances in Space Research.*, 74, (3), 1197-1224 <https://doi.org/10.1016/j.asr.2024.05.007>. IF. 2.8 (2023)
15. Barman, J., & **Das, J.** (2024). Comprehensive landslide prediction mapping using bivariate statistical models of Mizoram state of Northeast India. *Journal of Spatial Science.* 69, 963-993. <https://doi.org/10.1080/14498596.2024.2335262>. IF. 1.9 (2022)
16. Nagamani, K., Mishra, A.K., Meer, M.S. **Das, J.** (2024). Understanding flash flooding in the Himalayan Region: a case study. *Scientific Reports* 14, 7060. <https://doi.org/10.1038/s41598-024-53535-w>. IF. 4.6 (2022)
17. Sutradhar, C., Poddar, D, & **Das, J.** (2023). Optimization of conditioning factors for groundwater potential zonation using GIS-based single parameter and map removal sensitivity analysis in Alipurduar district of West Bengal, India. *Modeling Earth Systems and Environment.* 10, 1671–1694 <https://doi.org/10.1007/s40808-023-01859-3>. IF. 3.0
18. Barman, J., Ali, S. S., Biswas, B., & **Das, J.** (2023). Application of index of entropy and Geospatial techniques for landslide prediction in Lunglei district, Mizoram, India. *Natural*

Hazards Research. 3(3) 508-521. <https://doi.org/10.1016/j.nhres.2023.06.006>

19. Mitra, R., **Das, J.**, & Kamruzzaman, M. (2023). Application of TOPSIS method for flood susceptibility mapping using Excel and GIS. *MethodsX*, 11, 102263. <https://doi.org/10.1016/j.mex.2023.102263>. IF- 1.9
20. **Das, J.**, Saha, P., Mitra, R., Alam, A., & Kamruzzaman, M. (2023). GIS-based data-driven bivariate statistical models for landslide susceptibility prediction in Upper Tista Basin, India. *Heliyon*. 9 (5), E16186. <https://doi.org/10.1016/j.heliyon.2023.e16186>. IF- 4.0
21. Osman, S.A., **Das, J.** (2023). GIS-based flood risk assessment using multi-criteria decision analysis of Shebelle River Basin in southern Somalia. *SN Appl. Sci.* 5, 134 (2023). <https://doi.org/10.1007/s42452-023-05360-5>. IF-2.6
22. Alam, J., Saha, P., Mitra, R., & **Das, J.** (2023). Investigation of spatio-temporal variability of meteorological drought in the Luni River Basin, Rajasthan, India. *Arabian Journal of Geosciences*, 16(3), 201. <https://doi.org/10.1007/s12517-023-11290-8>
23. Mitra, R., Das, J. (2022) A comparative assessment of flood susceptibility modelling of GIS-based TOPSIS, VIKOR, and EDAS techniques in the Sub-Himalayan foothills region of Eastern India. *Environ SciPollut Res.* 30,16036–16067. <https://doi.org/10.1007/s11356-022-23168-5>. IF- 5.8
24. Mitra, R., Saha, P. & **Das, J.** (2022). Assessment of the performance of GIS-based analytical hierarchical process (AHP) approach for flood modelling in Uttar Dinajpur district of West Bengal, India. *Geomatics, Natural Hazards and Risk.* 13(1): 2183-2226. <https://doi.org/10.1080/19475705.2022.2112094>. IF- 4.2
25. Basak, A., Rahman, A.T.M.S., **Das, J.**, Hosonod, T. & Kisi, O. (2022). Drought forecasting using the Prophet Model in semi-arid climate region of western India. *Hydrological Sciences Journal.* Volume 67 (9), 1397-1417 <https://doi.org/10.1080/02626667.2022.2082876>. IF- 3.5
26. Kamruzzaman, M. Rahman, A.T.M.S., Basak, A., Alam, J., & **Das, J.** (2022). Assessment and adaptation strategies of climate change through the prism of farmers' perception: A case study. *International Journal of Environmental Science and Technology*, 20 (5), 5609–5628. <https://doi.org/10.1007/s13762-022-04254-0>. IF- 3.1
27. Saha, S., **Das, J.**, & Mandal, T. (2022). Investigation of the watershed hydro-morphologic characteristics through the morphometric analysis: a study on Rayeng basin in Darjeeling Himalaya. *Environmental Challenges*, 7, 1-16. 100463. <https://doi.org/10.1016/j.envc.2022.100463>.
28. Mandal, T., Saha, S., **Das, J.**, & Sarkar, A. (2022). Groundwater depletion susceptibility zonation using TOPSIS model in Bhagirathi river basin, India. *Modeling Earth Systems and Environment*, 8(2), 1711-1731. <https://doi.org/10.1007/s40808-021-01176-7>. IF -3.0
29. Basak, A., **Das, J.**, Rahman, A. T. M., & Pham, Q. B. (2021). An Integrated Approach for Delineating and Characterizing Groundwater Depletion Hotspots in a Coastal State of India. *Journal of the Geological Society of India*, 97(11), 1429-1440. <https://doi.org/10.1007/s12594-021-1883-z>. IF- 1.3
30. **Das, J.**, Mandal, T., Rahman, A. S., & Saha, P. (2021). Spatio-temporal characterization of rainfall in Bangladesh: an innovative trend and discrete wavelet transformation approaches. *Theoretical and Applied Climatology*, 143(3), 1557-1579. <https://doi.org/10.1007/s00704-020-03508-6>. IF- 3.4

31. **Das, J.**, Rahman, A. S., Mandal, T., & Saha, P. (2021). Exploring driving forces of large-scale unsustainable groundwater development for irrigation in lower Ganga River basin in India. *Environment, Development and Sustainability*, 23(5), 7289-7309. <https://doi.org/10.1007/s10668-020-00917-5>. IF- 4.9
32. **Das, J.**, Gayen, A., Saha, P., & Bhattacharya, S. K. (2020). Meteorological drought analysis using Standardized Precipitation Index over Luni River Basin in Rajasthan, India. *SN Applied Sciences*, 2(9), 1-17. <https://doi.org/10.1007/s42452-020-03321-w>. IF- 2.8
33. **Das, J.**, Rahman, A. S., Mandal, T., & Saha, P. (2020). Challenges of sustainable groundwater management for large scale irrigation under changing climate in Lower Ganga River basin in India. *Groundwater for Sustainable Development*, 11, 1-11. 100449. <https://doi.org/10.1016/j.gsd.2020.100449>. IF- 5.9
34. Rahman, A. T.M.S., Hosono, T., Quilty, J. M., **Das, J.**, & Basak, A. (2020). Multiscale Groundwater Level Forecasting: Coupling New Machine Learning Approaches with Wavelet Transforms. *Advances in Water Resources*, 141, 103595. <https://doi.org/10.1016/j.advwatres.2020.103595>. IF- 4.7
35. **Das, J.**, Mandal, T., Saha, P., & Bhattacharya, S. K. (2020). Variability and trends of rainfall using non-parametric approaches: A case study of semi-arid area. *MAUSAM*, 71(1), 33-44. <https://doi.org/10.54302/mausam.v71i1.4>. IF- 1.4
36. **Das, J.**, Mandal, T., & Saha, P. (2019). Spatio-temporal trend and change point detection of winter temperature of North Bengal, India. *Spatial Information Research*, 27(4), 411-424. <https://doi.org/10.1007/s41324-019-00241-9>. IF.-2.4
37. **Das, J.**, & Bhattacharya, S. K. (2018). Trend analysis of long-term climatic parameters in Dinhat of Koch Bihar district, West Bengal. *Spatial Information Research*, 26(3), 271-280. <https://doi.org/10.1007/s41324-018-0173-3>. IF.-2.4
38. **Das, J.** (2018). Regional disparity in the level of development in West Bengal: A geographical analysis. *Indian Journal of Regional Science*, 50(1), 53-63.
39. **Das, J.**, & Bhattacharya, S. K. (2018). Tobacco Cultivation: Time to Ban Its Production in Dinhat Subdivision of Koch Bihar District, West Bengal. *Research Directions*, 6(1), 1-10.,
40. Poddar, D., **Das, J.**, & Mandal, T. (2018) Identification of Factors and Spatial Variation in the Level of Development in India: An Empirical Analysis. *Review of Research*. 7(10), 1-17.
41. Mandal, T., Poddar, D. & **Das, J.**, (2018). Nature and determinates of labour Migration: A case study of Koch Bihar district *International Journal of Research and Analytical Reviews*, 5(3), 515-527.
42. **Das, J.**, Gayen, A., Saha, S., & Bhattacharya, S. K. (2017). Modelling of alternative crops suitability to tobacco based on Analytical hierarchy process in Dinhat subdivision of Koch Bihar district, West Bengal. *Modeling Earth Systems and Environment*, 3(4), 1571-1587. <https://doi.org/10.1007/s40808-017-0392-y>. IF. 3.0
43. **Das, J.**, & Bhattacharya, S. K. (2016). Profitable and viable alternative to tobacco crop in Dinhat Subdivision of Koch Behar district, West Bengal. *Indian Journal of Landscape System and Ecological Studies*, 39(2), 70-88.
44. **Das, J.** (2016). Role of Self-Help Groups in Socioeconomic Change of Rural Women: A Micro Level Study. *Indian Streams Research Journal* 6(1), 1-11.
45. **Das, J.** (2012). Probability and variability analysis of rainfall characteristics of Dinhat in Koch Behar district of West Bengal. *Golden Research Thoughts*, 2(1):1-9

46. **Das, J.** (2011). Factors influencing the socio-economic status of Toto tribe in Madarihath block of Jalpaiguri district, West Bengal. *Geo Analyst*, 1(2), 66-71. 2011.

### **Chapters in Book**

1. Guria, R., Mishra, M., **Das, J.** (2025). Application of MARCOS, CoCoSo, and GRA MCDM Models in a Hybrid Approach for Landslide Susceptibility Assessment in Wayanad District, Kerala (India). In: Das, J., Halder, S. (eds) *Progress in Multicriteria Decision Making Models. Advances in Geographic Information Science*. Springer, Cham. [https://doi.org/10.1007/978-3-031-89246-2\\_11](https://doi.org/10.1007/978-3-031-89246-2_11)
2. Barman, J., Kar, S., Barman, B., **Das, J.**, Biswas, B., Roy, S. (2025). Flood Susceptibility Modeling of Tripura, India: An Application of Preference Selection Index (PSI) and Geospatial Technology. In: Das, J., Halder, S. (eds) *Progress in Multicriteria Decision Making Models. Advances in Geographic Information Science*. Springer, Cham. [https://doi.org/10.1007/978-3-031-89246-2\\_13](https://doi.org/10.1007/978-3-031-89246-2_13)
3. Halder, S., Saha, S., Sarda, R., **Das, J.** (2025). Usage and Future Path of MCDM for Hazard Monitoring and Risk Assessment. In: Das, J., Halder, S. (eds) *Progress in Multicriteria Decision Making Models. Advances in Geographic Information Science*. Springer, Cham. [https://doi.org/10.1007/978-3-031-89246-2\\_22](https://doi.org/10.1007/978-3-031-89246-2_22)
4. Rahman, S., Hossain, A., Munam, A.M., Lima, A.A., Bhuiya, R.A., **Das, J.**, & Kamruzzaman, M., (2024). Mental Health of Pregnant Women in Bangladesh During the COVID-19 Pandemic: A Cross-Sectional Study. In: Chouhan, P., Roy, A., Kapasia, N., Das, J., Rahaman, M. (eds) *Sexual and Reproductive Health of Women*. Springer, Singapore. [https://doi.org/10.1007/978-981-97-8418-9\\_14](https://doi.org/10.1007/978-981-97-8418-9_14)
5. Halder, S., **Das, J.** (2024). Raising the Agenda of 'Paradigm Shift' in Applied Geomorphology: Question(s) or Acceptability. In: Das, J., Halder, S. (eds) *New Advancements in Geomorphological Research. Geography of the Physical Environment*. Springer, Cham. [https://doi.org/10.1007/978-3-031-64163-3\\_1](https://doi.org/10.1007/978-3-031-64163-3_1)
6. Mitra, R., **Das, J.**, Mandal, D.K. (2024). Geospatial Modelling of Tista River Flood Hazard and Its Impact on the Riparian Inhabitants in Eastern India. In: Das, J., Halder, S. (eds) *New Advancements in Geomorphological Research. Geography of the Physical Environment*. Springer, Cham. [https://doi.org/10.1007/978-3-031-64163-3\\_19](https://doi.org/10.1007/978-3-031-64163-3_19)
7. Saha, S., **Das, J.**, & Halder, S. (2023). Nexus Between GIScience and Sustainable Agriculture. In *Advancement of GI-Science and Sustainable Agriculture: A Multi-dimensional Approach* (pp. 3-11). Cham: Springer Nature Switzerland. [https://doi.org/10.1007/978-3-031-36825-7\\_1](https://doi.org/10.1007/978-3-031-36825-7_1)
8. Poddar, I., Basak, A., Alam, J., **Das, J.**, & Alam, A. (2023). Application of RS-GIS-Based Multi-Criteria Decision-Making Model (MCDM) on Site Suitability Analysis for Potato Cultivation in Jalpaiguri District, West Bengal, India. In *Advancement of GI-Science and Sustainable Agriculture: A Multi-dimensional Approach* (pp. 81-98). Cham: Springer Nature Switzerland. [https://doi.org/10.1007/978-3-031-36825-7\\_6](https://doi.org/10.1007/978-3-031-36825-7_6)
9. Kamruzzaman, M., Al Mamun, M. A., **Das, J.**, Kamruzzaman, & Alam, G. M. (2023). Employment Potential of Sericulture for Underprivileged Section: Assessment of Value Chain Analysis in Bangladesh. In *Advancement of GI-Science and Sustainable Agriculture: A Multi-dimensional Approach* (pp. 185-198). Cham: Springer Nature Switzerland. [https://doi.org/10.1007/978-3-031-36825-7\\_12](https://doi.org/10.1007/978-3-031-36825-7_12)
10. Mitra, R., Sarkar, A., Hossain, G., Roy, D., Mandal, G., **Das, J.**, & Mandal, D. K. (2023). Development of Objective-Based Multi-criteria Decision-Making Approach in Crop Suitability

- Assessment for Maize Production Using GIS. In *Advancement of GI-Science and Sustainable Agriculture: A Multi-dimensional Approach* (pp. 199-215). Cham: Springer Nature Switzerland. [https://doi.org/10.1007/978-3-031-36825-7\\_13](https://doi.org/10.1007/978-3-031-36825-7_13)
11. Poddar, D., Mandal, T., **Das, J.** (2023). Spatio-Temporal Changes of Rainfall Pattern Under Changing Climate in West Bengal, India. In: Alam, A., Rukhsana (eds) *Climate Change, Agriculture and Society*. Springer, Cham. [https://doi.org/10.1007/978-3-031-28251-5\\_2](https://doi.org/10.1007/978-3-031-28251-5_2)
  12. Barman, J., Biswas, B., & **Das, J.** (2023). Active Tectonics and Associated Channel Shifting Pattern of Neora River Basin, Darjeeling Himalaya. In *Monitoring and Managing Multi-hazards* (pp. 19-31). Springer, Cham. [https://doi.org/10.1007/978-3-031-15377-8\\_2](https://doi.org/10.1007/978-3-031-15377-8_2)
  13. Hlanze, D. K., Mulungu, D. M. M., Ndomba, P., Tfwala, S., Mabaso, S., Dlamini, W. M., & **Das, J.** (2023). Estimating Soil Loss Rate and Sediment Yield of the Proposed Ngololweni Earth Dam, Kingdom of Eswatini. In *Monitoring and Managing Multi-hazards* (pp. 33-64). Springer, Cham. [https://doi.org/10.1007/978-3-031-15377-8\\_3](https://doi.org/10.1007/978-3-031-15377-8_3)
  14. Bora, S. L., **Das, J.**, Bhuyan, K., & Hazarika, P. J. (2023). Flood Susceptibility Mapping Using GIS and Multi-criteria Decision Analysis in Dibrugarh District of Assam, North-East India. In *Monitoring and Managing Multi-hazards* (pp. 65-79). Springer, Cham. [https://doi.org/10.1007/978-3-031-15377-8\\_4](https://doi.org/10.1007/978-3-031-15377-8_4)
  15. Al Mamun, M., Rahman, A. T. M., Shabee, M., Aziz, S. S., **Das, J.**, Alam, G. M., & Kamruzzaman, M. (2023). Effects of Climatic Hazards on Agriculture in the Teesta Basin of Bangladesh. In *Monitoring and Managing Multi-hazards* (pp. 81-96). Springer, Cham. [https://doi.org/10.1007/978-3-031-15377-8\\_5](https://doi.org/10.1007/978-3-031-15377-8_5)
  16. Barman, J., Biswas, B., & **Das, J.** (2023). Mizoram, the Capital of Landslide: A Review of Articles Published on Landslides in Mizoram, India. *Monitoring and Managing Multi-hazards*, 97-104. [https://doi.org/10.1007/978-3-031-15377-8\\_6](https://doi.org/10.1007/978-3-031-15377-8_6)
  17. Poddar, I., Alam, J., Basak, A., Mitra, R., & **Das, J.** (2023). Application of a Geospatial-Based Subjective MCDM Method for Flood Susceptibility Modeling in Teesta River Basin, West Bengal, India. In *Monitoring and Managing Multi-hazards* (pp. 135-152). Springer, Cham. [https://doi.org/10.1007/978-3-031-15377-8\\_10](https://doi.org/10.1007/978-3-031-15377-8_10)
  18. Poddar, D., Mukhopadhyay, S., & **Das, J.** (2023). Assessment of the Social Impact of Arsenicosis Through Groundwater Arsenic Poisoning in Malda District. In *Monitoring and Managing Multi-hazards* (pp. 221-235). Springer, Cham. [https://doi.org/10.1007/978-3-031-15377-8\\_15](https://doi.org/10.1007/978-3-031-15377-8_15)
  19. Gupta, P., Tignath, S., Kathal, D., Choudhury, S., Mukherjee, K., & **Das, J.** (2023). Groundwater Depletion Zonation Using Geospatial Technique and TOPSIS in Raipur District, Chhattisgarh, India. In *Monitoring and Managing Multi-hazards* (pp. 237-251). Springer, Cham. [https://doi.org/10.1007/978-3-031-15377-8\\_16](https://doi.org/10.1007/978-3-031-15377-8_16)
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22. Choudhury, S., Basak, A., Biswas, S., **Das, J.** (2022). Flash Flood Susceptibility Mapping Using GIS-Based AHP Method. In: Pradhan, B., Shit, P.K., Bhunia, G.S., Adhikary, P.P., Pourghasemi, H.R. (eds) *Spatial Modelling of Flood Risk and Flood Hazards. GIScience and Geo-environmental Modelling*. Springer, Cham. [https://doi.org/10.1007/978-3-030-94544-2\\_8](https://doi.org/10.1007/978-3-030-94544-2_8)
23. Mandal, T., Sarkar, A., **Das, J.**, Rahman, A. S., & Chouhan, P. (2021). Comparison of Classical Mann–Kendal Test and Graphical Innovative Trend Analysis for Analyzing Rainfall Changes in India. *India: Climate Change Impacts, Mitigation and Adaptation in Developing Countries*, 155. [https://doi.org/10.1007/978-3-030-67865-4\\_7](https://doi.org/10.1007/978-3-030-67865-4_7)
24. Mandal, T., **Das, J.**, Poddar, D., & Saha, S. (2021). Characterization of Spatial Variability of Soil Properties of Malda District in West Bengal, India. *Agriculture, Food and Nutrition Security: A Study of Availability and Sustainability in India*, 61-77. [https://doi.org/10.1007/978-3-030-69333-6\\_4](https://doi.org/10.1007/978-3-030-69333-6_4)
25. Mandal, T., **Das, J.**, Rahman, A. S., & Saha, P. (2021). Rainfall insight in Bangladesh and India: climate change and environmental perspective. In *Habitat, Ecology and Ekistics* (pp. 53-74). Springer, Cham. [https://doi.org/10.1007/978-3-030-49115-4\\_3](https://doi.org/10.1007/978-3-030-49115-4_3)

## Paper Reviews for Journals (Selected)

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1. Advances in Space Research
2. Natural Hazard
3. Arabian Journal of Geosciences
4. Archives of agronomy and soil science
5. Environment, Development and Sustainability
6. Geo Journal
7. Climate change
8. Journal of the Geological Society of India
9. Applied Water Science
10. International Journal of Environmental Science and Technology

## Participation in academic Seminar/Conference

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1. “A Robust Hybrid Ensemble of Bivariate Statistical Model for Flood Prediction Mapping in Lower Damodar River Basin” Paper presented in 8<sup>th</sup> NAGI International Conference 2024, Organized by Kazi Nazrul University on 23 - 25 September, 2024
2. “Integrating GIS-Based Techniques with Machine Learning for Enhanced Landslide Susceptibility Mapping in the Himalayan Region of Northeast India” Paper presented in National Seminar on Environment and Sustainable Development - A Way of Self Sufficiency, Organized by Department of Geography, Dinhata College, Cooch Behar, West Bengal Pin: 736135 on March 15-16, 2024
3. “Machine Learning Approaches to Landslide Susceptibility Mapping in Sikkim, India” Paper presented in International Conference on Emerging Issues in Environment, Livelihood and Development: A Future Road Map Towards Sustainable Earth, Organised by Department of

Geography & Applied Geography, University of North Bengal, Raja Rammohunpur, West Bengal 734014 on 26th- 28th January, 2024.

4. "*Urban Flash Flood Prediction Modelling using Probabilistic and Statistical Approaches*" Paper presented in National Seminar on Urbanization, Urban Environment and Sustainability in Himalayan and Sub- Himalayan Region, Organized by: Department of Geography and Applied Geography, University of North Bengal, Raja Rammohunpur, West Bengal 734014 on 1<sup>st</sup> -2<sup>nd</sup> July, 2023.
5. "*A comparative assessment of five probabilistic models for landslide prediction mapping*" Paper presented in Conference on State Science & Technology Congress, Organized by: Department of Science & Technology and Biotechnology, Government of West Bengal, at Science City, Kolkata, on 28<sup>th</sup> February & 1<sup>st</sup> March 2023.
6. "*A comparative assessment of five probabilistic models for landslide prediction mapping*" Paper presented in Conference on Regional Science & Technology Congress, Organized by: University of Gour Banga, Malda and Department of Science & Technology and Biotechnology, Government of West Bengal, at University of Gour Banga, Malda on 11th & 12th January 2023.
7. "*Applying Data-driven Bivariate Statistical Models for Landslide Prediction: A Comparative Study*" Paper presented in Conference on Regional Science & Technology Congress, Organized by: Bankura University, Bankura and Department of Science & Technology and Biotechnology, Government of West Bengal, at Bankura University, Bankura on 9th & 10th January 2023.
8. "*Application of GIS-Based Data Driven Bivariate Statistical Models for Landslide Prediction in Upper Teesta Basin, Sikkim, India*" Paper presented in International Seminar on Essence of Geography: What Where, Why and How, Organized by: Department of Geography, Cooch Behar Panchanan Barma University, on 11<sup>th</sup> -12<sup>th</sup> November, 2022.
9. "*A comparative assessment of flood susceptibility modelling of GIS based TOPSIS, VIKOR and EDAS techniques in Koch Bihar District, West Bengal, India.*" Paper presented in Conference on Self-reliance (Atmanirbhar), Sustainable Development and Environment, Organized by: Department of Geography, Serampore College, on 25<sup>th</sup> -26<sup>th</sup> March, 2022.
10. "*Sensitivity analysis of Analytical Hierarchy Process for flood Modelling in Uttar Dinajpur district, West Bengal, India.*" Paper presented in Conference on Self-reliance (Atmanirbhar), Sustainable Development and Environment, Organized by: Department of Geography, Serampore College, on 25<sup>th</sup> -26<sup>th</sup> March, 2022.
11. "*Spatiotemporal variability of annual and seasonal rainfall by Innovative Trend Analysis over West Bengal, India*". Paper presented in Conference on Science & Technology Congress, 2020, Organized by: Department of Science & Technology and Biotechnology, Government of West Bengal, Science City, Kolkata on 28-29 February, 2020.
12. "*Rainfall Insight under Changing Climate: A Comparative Study between India and Bangladesh*". Paper presented in Conference on Geography and Development, Organized by: Department of Geography and Applied Geography, University of North Bengal, Raja Rammohunpur, West Bengal 734014 on 13-14 March, 2020.
13. "*Evaluation of Prophet model for predicting meteorological drought events in a semi-arid region of India*" Paper presented in Conference on Recent Advances in Environmental Research, Organized by: Department of Geography, University of Gour Banga, Gour Banga University Campus Road, NH12, Mokdumpur, Malda, West Bengal 732101 on 24<sup>th</sup> – 25<sup>th</sup> September, 2020.
14. "*Regional disparity in the level of development in West Bengal: A geographical Analysis*". Paper presented in Conference on Environment, Development and Sustainability, Organized by: Department of Geography and Applied Geography, University of North Bengal, Raja Rammohunpur, West Bengal 734014 on 15-16 March, 2019.

15. *“Impact of Irrigation on Sustainable Groundwater Management under Changing Climate by an Innovative Method”*. Paper presented in Conference on Application of Geospatial Technology in Geomorphology and Environment, Organized by: Institute of Geomorphologists India and Department of Geography and Applied Geography, University of North Bengal, Raja Rammohunpur, West Bengal 734014 on 12-14 November, 2019.
16. *“Winter warming over six meteorological stations in North Bengal, India.”* Paper presented in Conference on Environmentalism, Globalism and Morality, Organized by: The Institute of Cross-cultural studies and Academic Exchange, ELON, NC, USA, Alipurduar College, Maynaguri College and Cooch Behar Panchanan Barma University, on 10-12 January, 2018.
17. *“Meteorological drought analysis using standardized precipitation Index over West flowing river basing including Luni in Rajasthan, India.”* Paper presented in Conference on Regional Science & Technology Congress, Organized by: Jalpaiguri Government Engineering College and Department of Science & Technology and Biotechnology, Government of West Bengal, on 12-13 December, 2018.
18. *“An assessment of details spatio-temporal characteristics of rainfall time series in India.”* Paper presented in Conference on Regional Science & Technology Congress, Organized by: Jalpaiguri Government Engineering College and Department of Science & Technology and Biotechnology, Government of West Bengal, on 12-13 December, 2018.
19. *“Profitable and viable alternative to tobacco crops in Dinhata sub-division of Koch Bihar district, West Bengal.”* Paper presented in Conference on Population growth, Urbanization and Land utilization, Organized by: Department of Geography and Applied Geography, University of North Bengal, Raja Rammohunpur, West Bengal 734014 on 13-14 February in 2017.
20. *“Determinants and nature of labour migrants: A micro level study.”* Paper presented in Conference on Population growth, Urbanization and Land utilization, Organized by: Department of Geography and Applied Geography, University of North Bengal on 13-14 February, 2017.
21. *“Regional disparity in the level of development in West Bengal: A geographical Analysis”*. Paper presented in Conference on Contemporary developments in Social and basic Sciences in Times of Global Crisis, Organized by: Surya Sen College on 28-29 March, 2017.
22. *“Indigenous values on climate change: A Perception Study of Farmers”* Paper presented in Conference on Role of Values and Indigenous tradition to sustain life on Earth, Organized by: Bangiyo Bhugol Mancha, 30<sup>th</sup> – 31<sup>st</sup>, 2016.
23. *“Evaluation of soil fertility status in Dinhata subdivision of Koch Bihar district, West Bengal”*. Paper presented in Conference on Application of Geospatial Technology for Sustainable Development, Organized by: Department of Geography and Applied Geography, University of North Bengal, Raja Rammohunpur, West Bengal 734014 on 13-14 February, 2015.
24. *“Impact of Climate change on growth and yield of rice and wheat in India.”* Paper presented in Conference on Global climate change and its impact on Indian Sub-continent, Organized by: Bangiyo Bhugol Mancha, 11<sup>th</sup> – 12<sup>th</sup> March, 2014.
25. *“Role of Self-help groups in Socio-economic change of rural women: A micro level study”*. Paper presented in Conference on Issues on Rural Livelihood in India, Organized by: Department of Geography, Gour Mahavidyalaya on 8-9, September, 2012.

## Details of Projects

S. No	Title	Cost in Lakh	Duration	Your Role (PI/Co-PI)	Agency
1	Assessing the Impact of	10 Lakh	1 Year	PI	ICSSR, New

	Jal Jeevan Mission on Reducing Water Contamination and its Socio-Economic Implications with a Special Focus on Women and Elderly population: A Case Study in Arsenic Affected Regions of lower Gangetic basin, West Bengal				Delhi
2	Climate-Water-Agriculture-Livelihood Nexus for Tribal Area Development in Jhargram and East Singhbhum Districts of West Bengal and Jharkhand: Steps towards Viksit Bharat 2047	42 Lakh	3 Years	PI	ANRF, New Delhi
3	Integrated Approaches for Flood risk assessment and management strategies	1.8 Lakh	3 months	Host Scientist	DST, MEA, FICCI, Government of India

### Ph.D. Guidance

Sl. No.	Title	Role	Status
1	Enhancing farmers' livelihood resilience through the climate-water-agriculture interface: A Study of Jhargram district, West Bengal, India	Joint Supervisor	Ongoing

### Training

- ISRO sponsored NNRMS Faculty Development Program on "RS & GIS Technology and Applications with specialization in RS & GIS Applications in Agriculture & Soil Studies"** Organized by Indian Institute of Remote Sensing during May 19, 2025 – July 11, 2025.
- Short Term Course in Geoinformatics** Organized by Organized by Department of Science and Technology and Biotechnology, Government of west Bengal, Kolkata, 2<sup>nd</sup> September to 13<sup>th</sup> September 2024
- Refresher Course in Geography** Organized by Human Resource Development Centre (HRDC), Jawaharlal University, New Delhi, From 19th July to 2<sup>nd</sup> August, 2023.

4. **Faculty Development Programme** on Qualitative Research Methods using Nvivo and Organge Organized by Biju Patnaik Institute of Information Technology & Management Studies, Bhubaneswar, From 5th to 12th June, 2023.
5. **Faculty Development Programme** on Structural Equation Modeling using AMOS Organized by Biju Patnaik Institute of Information Technology & Management Studies, Bhubaneswar, From 7th to 13th June, 2022.
6. **Faculty Induction Programme.** Organized by Human Resource Development Centre (HRDC), Guru Nanak Dev University, Amritasar, From 22<sup>nd</sup> February – 22<sup>nd</sup> March, 2022.
7. **Climate Change, Landslides and Safe Hill Area Development.** Organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India, From 5<sup>th</sup> – 7<sup>th</sup> August, 2020.
8. **Introduction and Demo: JAMS Modelling System.** Organized by Geodetic and Geomatics Higher Education in Indonesia and Hydrography Research Group, Faculty of Earth Sciences and Technology, Bandung on 25<sup>th</sup> August, 2020.
9. **Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System.** Organized by Indian Institute of Remote Sensing (IIRS), From 4<sup>th</sup> September – 26<sup>th</sup> November, 2018.
10. **Geography and Applied Geography.** Organized by Department of Geography and Applied Geography, University of North Bengal, From 05th September to 11th September, 2017.
11. **Water budgeting and management at local level.** Organized by Ministry of water resources, river development & Ganga Rejuvenation and Central groundwater board, Eastern region, Kolkata, On 29<sup>th</sup> December, 2017.
12. **Rocks and mineral identification, geological map interpretation and soil testing and mapping.** Organized by Department of Geography, Sitalkuchi College and Geological Survey of India, Kolkata. From 15th Dec to 21st Dec, 2014.

### **Workshop/Seminar Organized as Convener/Organizing Secretary**

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1. 7<sup>th</sup> Regional Science and Technology Congress- 2024-25, Region-3, Jointly Organized by Rampurhat College & Department of Science & Technology and Biotechnology, Government of West Bengal, January 10-11, 2025, as a **Nodal officer**.
2. Organized MoES, SERB, ICSSR, CSIR and ECL sponsored 2<sup>nd</sup> International Seminar on **Innovative Approaches in Geographical Research (IAGR): Exploring New Dimensions for Sustainable Development Goals (SDGs)**, November 29-30, 2024, as a **Convener**.
3. Organized Add On Course on **Preparing Project/Dissertation Reports**, 3<sup>rd</sup> August, 2024- 21<sup>st</sup> September, 2024 as a **Coordinator**.
4. Student's Seminar, 2024 On **Geographical Insights: A Dive into Academic Excellence**, April 16-20, 2024, as a **Convener**. Organized by Department of Geography Rampurhat College, Rampurhat, Birbhum
5. Organized SERB, ICSSR, ICSSR-ERC, NABARD, AnSI, NATMO, SOI, ISRS and DSTBT sponsored 1<sup>st</sup> International Seminar on **Recent Advancement in Geographical Studies: A Multidimensional Outlook**, September 1-2, 2023, as a **Convener**.

[https://www.youtube.com/live/mUei2tgOBMM?si=berWzdOR1\\_iRqqjtj](https://www.youtube.com/live/mUei2tgOBMM?si=berWzdOR1_iRqqjtj)

[https://www.youtube.com/live/pxmE6prqiDI?si=t8ot7Ur1rX\\_nuYyQ](https://www.youtube.com/live/pxmE6prqiDI?si=t8ot7Ur1rX_nuYyQ)

6. Organized Workshop on **Structural Equation Modeling using AMOS**, 11th - 13<sup>th</sup> May 2023 at Department of Geography, Rampurhat College

### **Invited Lectures/ Workshop Delivered/Conference**

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1. Delivered Keynote in 2 days International Conference on “**Improving Early-Season Crop Type Mapping Using Machine Learning Algorithms with Combined SAR and Optical time series**” Organized by Department of Civil Engineering and Basic Sciences & Humanities, Gandhi Institute for Education and Technology, Banaitangi, 18th - 19<sup>th</sup> July, 2025
2. Delivered lecture in 2 days International Seminar on “**Future Climate Scenario vs Flood Risk in the Uttar Dinajpur District of West Bengal, India: a MCDM approach for Viksit Bharat @ 2047**” Organized by Department of Geography, Vidyasagar College, 14th - 15<sup>th</sup> May, 2025
3. Delivered lecture in 2 days Multidisciplinary International Seminar on “**Geospatial Innovation and Disaster Risk Reduction (DRR): Towards Viksit Bharat**” Organized by Tilka Manjhi Bhagalpur University, 11<sup>th</sup> to 12<sup>th</sup> April, 2025
4. Delivered 50 hours online lecture and hands on training on “**Advanced Multicriteria Decision Making (MCDM) Techniques**” organized by The Department of Geography and Resource Management, Mizoram University, during 24th Jan- 18th April, 2025.
5. Delivered lecture in 10 Days Online National Workshop on “Research Methodology” title of talk “**How to write a good scientific research paper, Process of Journal Publication and Journal selection and Patent Grant**” on 8<sup>th</sup> March, 2025 organized by the Department of Statistics, Dibrugarh University, Assam, India during 1st to 10th March, 2025.
6. Delivered lecture in ICSSR-ERC sponsored 7-Day Workshop on “Research Methodology for Spatio-Temporal Applications: Bridging Tradition and Innovation” title of talk “**Rainfall Data Analysis & Data Products in Modern Research**” on 22/11/2024 organized by Dhupguri Girls’ College, Dhupguri, Jalpaiguri.
7. Delivered lecture in one day Workshop on **Advancement in Trend analysis for Time series datasets** organized by Centurion University of Technology and Management, Odisha, India on 25/2/23.
8. Delivered lecture Add-on Course on Research Methodology and GIS (March 12- May 07, 2023) on **Application of GIS in Thematic Mapping** Organized by Department of Geography, Malda College on 29.04.2023 from 6 p.m. to 9 p.m
9. Delivered lecture in online Workshop on “**Flood Hazards, Vulnerability and Risk Assessment using Analytical Hierarchy Process in ArcGIS**” Organized by Advances in Geographical Research (AIGR) during August 7 to September 19, 2021.
10. Delivered lecture in online Workshop on “**Groundwater potentiality and stress zonation using TOPSIS, VIKOR and EDAS models in ArcGIS**” Organized by Advances in Geographical Research (AIGR) during October 10, 2021 to January 23, 2022.
11. Delivered lecture in online Workshop on “**An Integrated MCDM approach for Drought Vulnerability Assessment in ArcGIS**” Organized by Advances in Geographical Research

(AIGR) during February 19 to August 05, 2022.

12. Delivered lecture in online Workshop on “**An Ensemble of Evidence Belief Function (EBF) with FR for GIS-based landslide prediction in ArcGIS**” Organized by Advances in Geographical Research (AIGR) during July 16 to August 28, 2022.
13. Delivered lecture in online Workshop on “**Hydro-morphometric characteristics of the drainage basin in ArcGIS**” Organized by Advances in Geographical Research (AIGR) during August 7 to September 19, 2022.
14. Delivered lecture in online Workshop on “**Preparation of rainfall indices using ArcGIS**” Organized by Advances in Geographical Research (AIGR) during June 08 to July 26, 2024.
15. Delivered lecture in online Workshop on “**Mastering ArcGIS: From Beginner to Expert**” Organized by Advances in Geographical Research (AIGR) during May 7 to May 28, 2023.
16. Delivered lecture in online Workshop on “**Innovative Trend Analysis (ITA) for Environmental Monitoring: Using Excel, R, and ArcGIS**” Organized by Advances in Geographical Research (AIGR) during February 25 to March 26, 2024.

### **Chairing Technical Sessions of the Seminars/Conferences**

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1. Chairing technical session in 2 days International Conference on “**Civil, Environmental and Applied Sciences (ICCEAS-2025)**” Organized by Department of Civil Engineering and Basic Sciences & Humanities, Gandhi Institute for Education and Technology, Banaitangi, 18th - 19<sup>th</sup> July, 2025
2. Chairing technical session in 2 days International Seminar on “**Climate Extremes and Sustainability : Integrating Geospatial Perspective For Resilient Futures**” Organized by Department of Geography, Vidyasagar College, 14th - 15<sup>th</sup> May, 2025
3. Chairing technical session: 6 in ICSSR-NABARD sponsored two-day national seminar Environment and Sustainable Development - A Way of Self Sufficiency, Organized by Department of Geography, Dinhata College, March 15-16, 2024.
4. Chairing technical session: 6 in international Seminar on Essence of Geography: What, Where, Why and How organized by the Department of Geography, Cooch Behar Panchanan Barma University at Cooch Behar, West Bengal., 11-12 November, 2022
5. Chairing technical session in ICSSR-ERC sponsored two-day national seminar on “Self-reliance (Atmanirbhar), Sustainable Development and Environment” organized by the Department of Geography, Serampore Girls’ College, 25th and 26th March 2022.

### **Membership/Fellowship of Academies/Institutions/Professional Societies**

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1. Indian Society of Remote Sensing
2. Indian Institute of Geomorphologists (IGI),
3. Institute of Landscape System and Ecological Studies, Kolkata,
4. Bangiyo Bhughol Mancha

## **Financial Support Received in the Promotion and Knowledge Development of Geographical Sciences**

Received financial support tuning up to INR 8.00 lakhs from Science and Engineering Research Board (SERB), Indian Council of Social Science Research, Indian Council of Social Science Research- Eastern Regional Centre (ICSSR-ERC), National Bank for Agriculture and Rural Development (NABARD), Survey of India (SOI), Anthropological Survey of India (AnSI), National Atlas and Thematic Mapping Organization (NATMO), Indian Society of Remote Sensing (ISRS) to organize First International Conference on Recent Advances in Geographical Studies in the month of September 2023.

## **International Collaborations and Academic Exchange**

Host Scientist for CV Raman International Fellowship (2022)

**Fellow:** Shuayb Abdinour Osman, Hydrology Engineer, Puntland Highway Authority

**Fellowship Duration:** September - December 2023

**Focus Area:** Hydro-geographical Studies and Risk Mapping

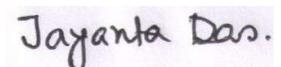
**Role:** Provided exclusive mentorship and guidance during the 3-month Visiting Research Fellowship awarded under the prestigious CV Raman International Fellowship for African Researchers.

## **Awards**

1. Best Paper Award, 2023 for the paper titled “Urban flash flood prediction modelling using Probabilistic and Statistical Approaches” in Two Days ICSSR-ERC sponsored National Seminar, organized by the Department of Geography and Applied Geography, University of North Bengal
2. Best Paper Presentation Award, 2023, Department of Science & Technology and Biotechnology, Government of West Bengal
3. Best Paper Presentation Award, 2020, Department of Science & Technology and Biotechnology, Government of West Bengal

## **Certification**

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualification, and my experience, and I am available to undertake any assignment in case of an award. I understand that any misstatement, qualification or misrepresentation described herein may lead to my disqualification or dismissal by the client.



Dr. Jayanta Das