

Dr. Pradip Debnath



Qualification & Details

Qualification	M. A., Ph. D
Designation	Assistant Professor
Teaching Experience	1 Year
Publications till Date	12
Email-Id	dbtpradip@gmail.com

PUBLICATIONS:

1. Debnath, P., Biswas, A., Ghosh, A., Mitra, S., Exploring Wetland Health and its Contributions to the Community Well-being Entities: Perspectives from the Rudrasagar Lake area, Tripura, Ind. J. of Landscape Systems and Ecological Studies 47(2) December 2024, 138-161.
2. Debnath, P., Debbarma, J., Roy, S., & Mitra, S., Exploring the Dynamics and Spatial Variations of Rural Roads Infrastructure in the Tribal area (TTAADC) development of Tripura, India, Geographical Review of India.
3. Debnath, P., Molsom, N.B., Chakma, J., Roy, S., & Mitra, S., Trio Buffer Modelling as a Reliable Tool for Assessing the Impact of Road Infrastructure on Community Development: A Case Study of Residents along Major Roads in Tripura, Indian Journal of Regional Science, Vol. LIII No. 1.

4. Biswas, A., Debnath, P., Basu Roy, A., Chatterjee, L., Mitra, S., B., Mitra, S., & Chaudhuri, P., Investigating avian fauna diversity and exploring their possible threats in and around wetland landscape of Rudrasagar lake: an Indian Ramsar site, *Wetlands Ecology and Management*, 33(2), 22.
5. Biswas, A., Debnath, P., Roy, S., Bhattacharyya, S., & Mitra, S., Chaudhuri, P., Spatio-temporal variation in water quality due to the anthropogenic impact in Rudrasagar Lake, a Ramsar site in India, *Environmental Monitoring and Assessment*, 196(7), 1-23.
6. Debnath, P., Roy, S., Bharadwaj, S., Hore, S., Nath, H., Mitra, S., & Ciobotaru, A. M., Application of multivariable statistical and geo-spatial techniques for evaluation of water quality of Rudrasagar wetland, the Ramsar site of India, *Water*, 15(23), 4109.
7. Roy, S., Debnath, P., Mitra, P., Vulevic, A., & Mitra, S., Incorporating Climate Change Resilience in India's Railway Infrastructure: Challenges and Potential, *Intell Mechatron. Transp. Syst.* 2(2).
8. Debnath, P., Roy, S., Hore, S., & Mitra, S., Mapping of optimum freight route by using Hybrid VNS algorithm to sustain the economic viability of a landslide prone area: A case study of Tripura, *National Academy Science Letters*.
9. Roy, S., Debnath, P., & Mitra, S., Impact of Climate Disasters on Railway Infrastructure: Case Study of Northeast India, *Acadore Transactions on Geosciences*.
10. Debnath, P., Roy, S., & Mitra, S., The growth pattern and future developmental trends of National Highways in the North Eastern states of India, *Indian Journal of Regional Science*, Vol. LIII No. 1.
11. Debbarma, D., Mitra, S., & Debnath, P., A Comparative Assessment on the Working and Living Conditions of the Auto Rickshaw Service Providers of Dharmanagar and Udaipur Town of Tripura, *Global journal of advance research*, Vol. 4 No. 9.
12. Bera, A., Namasudra, P., & Debnath, P., Geo-Environmental Impact of Brick Industry in Jirania Sub-Division, West Tripura, India, *Indian Journal of Spatial Science*, Vol. 7 No. 2.

CONFERENCES/WORKSHOPS/SYMPOSIA ATTENDED

1. Role of Road Connectivity to enhance the Rural-Urban linkages: A case study of Agartala City, International conference on Rural Habitat, Institutions and Challenging Development: Nature and Challenges, Tripura University, Tripura, 05-07 January 2017.
2. Prospect and Challenges of Ecotourism: A case study of Rudrasagar Lake in Tripura, UGC Sponsored National Seminar on Regional Dimensions of Social Development in India: Policy Perspectives, Dept. Geography, of Saheed Kshudiram College in collaboration with Red Cross Society, Alipurduar, 17-18 February 2017.
3. Traditional Weaving of Molsom Tribal, Halam Community in Tripura A reference to culture, National seminar on Role of Tribal Women in Development of Tribal Society, Holy Cross college, Tripura, 01-02 March 2019.

4. Profiling of Socio-Cultural Life of MoLSOM Tribe in Tripura, 2 Day National Seminar on Cultural Heritage of Tripura, Department of English, Tripura University in collaboration with Indira Gandhi Rashtriya Manav Sangrahalaya Bhopal, 18-19 March 2019.
5. Economic Disparity among the Tribal and Non-Tribal SHG Members in Hezamara R.D. Block, West Tripura District: A Micro Level Study, ICSSR Sponsored International Seminar on Gender and Development: A Global Perspective, Department of Economics, Gossaigaon College, Assam in collaboration with IQAC, 26-28 August 2019.
6. A geo-environmental study of Rudrasagar Lake, Tripura and Local Rural Economy, 2 days international seminar on Emerging Scenario of Rural India: Society, Education and Literature, Dept. of Bengali, Tripura University in collaboration with Byanjanbama Foundation, 15-16 November, 2019.
7. Externalities of Railways in Tribal Area development: An Evidence from Thailik Twisa, Tripura, National Seminar on Transitional Aspects of Indigenous People of North-East India: Contemporary issues on Sustainability, Netaji Subhas Mahavidyalaya, Tripura, 11-12 January 2020.
8. Performances and Prospects of Rail Freight Transport system in Tripura: An Analysis, International conference on Industrial development in the North Eastern Region: and Challenges, Tripura University, Tripura, 27-29 February 2020.
9. The Status of National Highway Development in the North Eastern Region (NER) of India, XVII DGSi International Geography Online Conference on Climate Change, Disasters and Sustainable Livelihood Opportunities, Dept. of Geography, University of Allahabad & Deccan Geographical Society, India Regional, 26-28 November 2020.
10. Cultural Ethnicity and Development of Tourism Entrepreneurship in Tripura: An Analysis, International conference on Resurgence of Region, Geographical Society, Regional Science Association, West Bengal, 08-10 December, 2021.
11. Road Possibilities and Prospects of connectivity between India and Bangladesh: Special Reference to Sabroom and Chittagong, UGC-SAP International Seminar on Development Cooperation between India & Neighbouring Countries: Possibilities and Challenges, Department of Economics, Tripura University in collaboration with RIS, New Delhi, 22-24 March 2022.
12. A Comparative Assessment of National Highways Infrastructure Development among the North Eastern States, India, 23rd Annual Conference (National Seminar) of North Eastern Economic Association, Dept. of Economics, Tripura University & North Eastern Economic Association & IQAC, 16-18 November 2022.
13. Adaptation to climate change reckon with agricultural paradigm and its impacts on rural livelihood: a case study from Rudrasagar Wetland, 2 Day National Seminar on Nature, Culture, Politics and Technology in the Context of Climate Change: The Way Forward, Department of Geography, Tripura University, 6-7 March 2023.
14. Micro Level Road Network Analysis and Assessing its Impact on the Development of the TTAADC Area of Tripura, National Conference on Regional Development Issues and Challenges 2023, Gokhale Institute of Politics and Economics, Pune, 22-23 December 2023.
15. Mapping and assessing landscape transformation between Indo-Bangla transboundary through High-resolution Geoinformatics and Remote Sensing imagery, Online seminar on Geoinformatics Applications in LULC Mapping and Natural Hazards, NIRDPR-NERC, Guwahati, 20-21 March 2024.
16. Climate change and risk assessment in relation with its impact on the spatial connectivity and city life in Agartala City and surroundings, Tripura, National seminar on Climate Change and Environmental Degradation, Breakthrough Science Society, Tripura Chapter & Department of Physics, Tripura University, 11 January 2025.

17. Assessment of Water Quality in Ramsagar Wetland, India, 2nd International Conference on Emerging Areas of Chemistry (ICEAC-2025), Department of Chemistry, Tripura University, 12-14, February 2025.

18. Plant Diversity as a wetland Ecosystem Stability Indicator: A Study in Rudrasagar wetland, Ramsar Site in North East India, National Conference on Recent Trends in Biological Sciences in North Eastern India, Department of Botany & Department of Zoology, Tripura University, 27-28 March 2025.

Fellow Received

1. Junior Research Fellow (DBT Funded), 2023-2024, Environmental Impact of Anthropogenic Activities on Wetland Bio-Diversity of Rudrasagar Lake, the Ramsar Site of Tripura, Dept. of Geography and Disaster Management, Tripura University.

2. Field Assistant (DBT Funded), 2019-2023, Environmental Impact of Anthropogenic Activities on Wetland Bio-Diversity of Rudrasagar Lake, the Ramsar Site of Tripura, Dept. of Geography and Disaster Management, Tripura University.

Peer review activity

1. International journal of community well-being, Springer, 1 Article, 2025.

2. American Journal of Traffic and Transportation Engineering, SciencePG,

3 Articles, 2024-25.3. International Journal of Novel Research and Development, -, 1 Article, 2024.

4. International Journal of Aquaculture and Fishery Sciences, Peertechz Publications Inc, 1 Article, 2024.

5. Scientifica, Hindawi, Wiley, 1 Article, 2024.6. COJ Technical & Scientific Research, Crimson Publishers, 1 Article, 2024.