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Asst. Professor

Department of Geography

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Date of Joining: 4th September, 2020

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Member of:

Indian Chapter of International Association of Hydrogeologists (INC-IAH)

Institute of Landscape, Ecology and Ekistics (ILEE)

Geographical Review of India

Hill Geographer

Teaching profile:

1. Contractual Asst. Professor in Dept. of Geography, North Bengal Xavier's College, University of North Bengal from 11.08.2014 to 23.09.2014.
2. Asst. Professor in FDP post, Dept. of Geography, University of Gour Banga from 24.09.2014 to 23.09.2015.

Field of interest:

1. Environmental and Water resource management.
2. Wetland study and management, Human well-being and Sustainable livelihood.

Publications:

Papers Published in referred research journals:

- Chattaraj, D., & Sarkar, S. (2020). Identification and Assessment of Avifaunal Diversity in and around Wetlands of Malda District, West Bengal, India. *Journal of Geographical Thoughts*. Vol. XVIII, pp. 1-15.
- Chattaraj, D., & Sarkar, S. (2019). Assessment of the Ecological status of wetlands, Malda District: A Comparative study. *Indian Journal of Landscape Systems and Ecological Studies*. Vol. 42 (1), pp. 46-63.
- Chattaraj, D., & Sarkar, S. (2018). A study on the diversity of aquatic macrophytes and associated economic potentials in the wetlands of Malda District. *Journal of Geographical Thoughts*. Vol. XVI, pp. 1-10.
- Chattaraj, D. (2017). Water use management and agricultural conservation in Malda District. *Journal of Hill Geographer*. Vol. XXXIII: 1, pp. 73-86.

- Chattaraj, D., & Sarkar, S. (2016). Issues and Challenges of Peri-urban wetland: A Case Study on Chatra Beel, English bazaar, Malda; Journal of Geographical Thought, Vol. XIV, pp. 13-23.

Other Papers (Published):

- Chattaraj, D. (2023). EconomivValuation of Wetland Resource use on selected Wetlands of Malda District, West Bengal; in Society, Economy & Development (ed. Arindam Basak et al.), Rajesh Publications, New Delhi, pp. 81-102.
- Chattaraj, D., & Sarkar, S. (2018). An integrated sustainable water management and the role of wetlands in Malda District; in Disaster Management in Sub-Himalayan North Bengal, University of North Bengal (ed. Subir Sarkar), pp. 42-56.
- Chattaraj, D. (2018). Food Security and Population Growth in India: A Major Challenge; in Population Growth, Urbanization and Land Utilization, University of North Bengal (ed. Indira Lepcha nee Lama), pp. 215-228.
- Chattaraj, D. (2016). Unplanned Urbanization and Illegal Encroachment on Peri-urban Wetland of English Bazaar, Malda; in Human Interventions: Present and Future State of Environment (ed. Tarun Das, Krishnakali Roy), pp. 92-97.
- Chattaraj, D. & Chattaraj, S. 2016. Agrarian Institutional Reforms and Agricultural Development in Post-independent West Bengal – A Retrospectin I.C.H.R. sponsored International Seminar on Re-casting the History of Modern Bengal: Exploring the unexplored terrains (ed. Sankar Kumar Biswas).
- Chattaraj, D. (2013). Development and Displacement of Tribal Population: A case study of Sardar Sarovar Project; in Tribal education in India: Emerging Issues, Challenges and Strategies in socio-cultural perspectives (ed. Niladri Pradhan), pp. 108-123.
- Chattaraj, D. (2013). Educational Status and Livelihood of Tribal population in Washabari Tea Garden of Jalpaiguri District in Sustainable Livelihood, Environment and Development (ed. Sushma Rohatgi), pp. 69-79.
- Sarkar, S., & Chattaraj, D. (2012). Study of Landslides and Associated Phenomena in Upper Sivkhola basin (Paglajhora), Darjeeling Himalaya; in Mapping Hazards and Disasters (ed. Subir Sarkar), pp. 1-23.

Newspaper publication:

- “Tackling floods in West Bengal” in The Sunday Statesman 8 th Day Issue on 10.07.2018.
- “Being swallowed up by concrete” in The Statesman NB Extra Issue on 28.07.2017.
- “Present situation of a wetland in English Bazaar” in Rupantoror Pothe local newspaper of Malda on 18.06.2017.

Newsletter (Local) publication:

- চট্টরাজ, দিয়ালী (২০২২)। ভূগর্ভস্থ জলের সুলুক সন্ধান ও টেকসই মানব সভ্যতা। তরাই গণ্ডা। সংখ্যা-৯, ১৬-২১।
- চট্টরাজ, দিয়ালী (২০২২)। মালদার জল মহিমা – বিপন্নতা ও আশা আকাঙ্ক্ষা। ১৩ তম রাজ্য সংকলন স্মরণিকা। পশ্চিমবঙ্গ বিজ্ঞান মঞ্চ, ৭৯-৮২।
- চট্টরাজ, দিয়ালী (২০২১)। চাতরা জলাভূমি - সংকট ও সম্ভবনা। তরাই গণ্ডার। সংখ্যা-৭, ১, ৪।
- Chattaraj, D. (2019). Nutritional potentiality of Makhana cultivation in wetlands and water bodies of India; in Center for Studies in Ethnobiology, Biodiversity and Sustainability (Ceiba) (ed. Rajasri Ray), Vol. 2, Issue 1, pp. 6-10.

Papers presented:

National seminar:

- Environmental impact of Brick Kiln and Land Use change in the vicinity of wetlands: A Case study on Malda District, West Bengal in 2019.
- Nutritional potentiality of Makhana cultivation in wetlands of Malda District, West Bengal in 2019.
- Food security and Population Growth in India: A Major Challenge in 2017.
- Unplanned urbanization and illegal encroachment on Peri-urban wetland on English Bazar in 2016.
- Development and Displacement of Tribal population: A case study of Sardar Sarovar Project in 2013.
- Educational Status and Livelihood of Tribal population in Washabari Tea Garden of Jalpaiguri District in 2013.
- Water use Management, Surface Run off and Agricultural Conservation in Malda District in 2013.

International seminar:

- Agrarian Institutional Reforms and Agricultural Development in Post-Independent West Bengal: A Retrospect.

Participated Workshops:

- 21 days Online GIS Training Program using QGIS, conducted by the Department of Geography, School of Earth Sciences, Central University of Karnataka, India, jointly with State Institute of Urban Development, Karnataka, India from 07.09.2020 to 27.09.2020.
- Remote Sensing Application for Change detection and Simulation modelling,

conducted by Computer Aided Design Centre, Jadavpur University, India from 15.12.2020 to 14.01.2021.

- Analysis and Simulation of Urban Growth from Remote Sensing data conducted by Computer Aided Design Centre, Jadavpur University, India from 01.02.2021 to 01.03.2021.
