

CURRICULUM-VITAE

Dr. SUBHAS BERA

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Research and Teaching Interests:

Disaster management, Environmental Studies, Principles of Remote Sensing & GPS;
Fundamentals of GIS, Digital Image Processing, Spatial Analysis & Modelling etc.

Teaching Experiences:

- ❖ Guest Lecturer in Department of Geography (Geoinformatics), North-Eastern Hill University, Shillong-793022, March 2021 to February 2024.

Education:

- **Ph.D.** from the Department of Architecture and Regional Planning, Indian Institute of Technology Kharagpur, India in the year *July 2015 to February 2021*.

Topic: Assessment of Multidimensional Vulnerability and Human Adaptive Responses from Recurrent Exposure to Natural Hazards - Case of Coastal Districts of West Bengal, India

- **M.Sc.** (2012) in Geography from D.A.V. College, Kanpur under Chhatrapati Shahu Ji Maharaj University, Kanpur, UP
- **M.Sc.** (2009) in Remote Sensing & GIS from Vidyasagar University, West Bengal
- **B.Sc.** (2007) in Geography (Hons.) from Vidyasagar University, West Bengal

Honor & Award:

- Junior Research Fellowship (JRF) in EARTH SCIENCES conducted by CSIR-UGC National Eligibility Test (NET) held on December 2013.

Membership:

- Life member of Indian Society of Remote Sensing
- Life member of Indian National Cartographic Association
- Student member of European Geosciences Union (EGU)

Publications:

- Bera, Subhas; Das, Arup; Mazumder, Taraknath; **2022**. Evaluation of machine learning, information theory and multi-criteria decision analysis methods for flood susceptibility mapping under varying spatial scale of analyses. Remote Sensing Applications :Society and Environment 25, 100686. <https://doi.org/10.1016/j.rsase.2021.100686>
- Bera, S., Das, A., Mazumder, T., **2021**. Spatial dimensions of dichotomous adaptive responses to natural hazards in coastal districts of West Bengal, India. Land use policy 108, 105528. <https://doi.org/10.1016/j.landusepol.2021.105528>
- Nayan, N., Das, A., Mukerji, A., Mazumder, T., Bera, S., **2020**. Land Use Policy Spatio-temporal dynamics of water resources of Hyderabad Metropolitan Area and its relationship with urbanization. Land use policy 99, 105010. <https://doi.org/10.1016/j.landusepol.2020.105010>
- Bera, Subhas; Das, Arup; Mazumder, Taraknath; **2019**. A multi-objective framework for multidimensional vulnerability assessment – Case of a coastal district of West Bengal, India. Journal of Environmental Management 249, 109411. <https://doi.org/10.1016/j.jenvman.2019.109411>

Invited Lectures/Talks:

- (2024) Resource Person for Six Day's National Level Workshop on " Satellite Image Analysis and Its Contemporary Application in Advanced Geo-spatial Studies and Research" organised by Department of Geography, Bajkul Milani Mahavidyalaya, East Midnapur under Vidyasagar University, West Bengal.

Conference/Seminar Presentations:

- Subhas Bera, Arup Das, and Taraknath Mazumder (2019), A Framework for Identifying Vulnerability Hotspots due to Tropical Cyclones & Floods: Case of a Coastal District of West Bengal, India. Paper presented at European Geosciences Union General Assembly (EGU 2019), Geophysical Research Abstracts Vol. 21, EGU2019-8282, 2019.

Participation in Workshops/E-Learning Courses:

- Satellite Navigation at NRSC, Hyderabad - October 30-31, 2017
- Bhuvan Overview Training at NRSC, Hyderabad - Nov 02-03, 2016.

Subhas Bera