

CURRICULUM-VITAE

Dr. SUBHAS BERA

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Research and Teaching Interests:

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

Teaching Experiences:

- ❖ Working as an Assistant Professor in the Department of Remote Sensing & GIS Applications at HNB Garhwal Central University Srinagar Garhwal, Uttarakhand, India, from 14th February 2024 to present.
- ❖ Worked as Guest Lecturer in the Department of Geography (Geoinformatics), North-Eastern Hill University, Shillong-793022, March 2021 to 12th February 2024.

Education:

- **Ph.D.** from the Department of Architecture and Regional Planning, Indian Institute of Technology Kharagpur, India from *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 in December 2013.

Membership:

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

Publications:

SCI- SCOPUS listed Journals

- **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> [IF-4.7]
- **Bera, Subhas;** Das, Arup; Mazumder, Taraknath, **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> [IF-7.1]
- Nayan, N., Das, A., Mukerji, A., Mazumder, T., **Bera, S., 2020.** 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> [IF-7.1]
- **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> [IF-8.7]
- War, Mewan Banshan; Diengdoh, Iaibha Kupar **Bera, Subhas;** (xxxx). Impact Analysis of Open Cast Mining on LULC: A Case Study of Mawmluh and Komorrhah Regions in Meghalaya, India, Land (IF:3.2), MDPI (xxxx), (**communicated**).

Books Chapters in Edited Book

- Sarma, Ranadeep; **Bera, Subhas;** Ryngnga, P.K. (2025): Spatiotemporal Flood Impact Assessment Using Google Earth Engine—Case of Darrang District, Assam, Edited by Swapna Talukdar, Ranit Chatterjee, Somnath Bera, Atish Prashar, Rajib Shaw in Communication, Science, Technology and Innovation in Disaster Risk Management, Chapter-11, pp133-147 Publisher: Springer Nature (ISBN-3031771885, 9783031771880) April 2025.

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.

Organized Workshops/Seminar/E-Learning Courses:

1. November 20, 2024, Organizing member and technical session coordinator in the online Seminar on ‘Mapping the Future: Harnessing GIS for Global Solutions’ Organized by the Department of Remote Sensing & GIS Applications, HNB Garhwal University (A Central University), Srinagar Garhwal, Uttarakhand - 249161.
2. August 22-23, 2024 Organizing member in the Seminar on ‘National Space Day 2024: Touching Lives While Touching The Moon: India’s Space Saga’ jointly Organized by the Department of Remote Sensing & GIS Applications, IIC & RDC HNB Garhwal University (A Central University), Srinagar Garhwal, Uttarakhand - 249161.

Research Project:

1. [Ongoing] Minor Research Project on “Forest Fire Vulnerability Assessment for The Garhwal Division of Uttarakhand” Amount: Rs. 1, 80,000/-
Funding agency: RDC, HNB Garhwal University, Srinagar Garhwal, Uttarakhand - 246174

(SUBHAS BERA)