



SNEHASHIS ALAM

Disaster Manager | Environmental Geographer

“If opportunity doesn’t knock,
build a door.”

—Milton Berle



Department of
Humanities and Social Sciences,
BITS-Pilani K. K. Birla Goa
Campus
NH-17B, Zuarinagar, Goa-
403726



+91-832-2580-224



p20210026@goa.bits-
pilani.ac.in



<https://orcid.org/0000-0001-8086-6434>

Technical Skills

- ArcMap & ArcCatalog
- ‘R’ Programming language
- Ground Penetrating Radar (GPR)
- GeoMapApp
- Generic Mapping Tools (GMT)
- Microsoft applications (Word, Excel, Office, PowerPoint)
- Cartography Techniques

Language Proficiency

Reading, Writing & Speaking:

English, Bengali, **Hindi**.

BIOGRAPHY

Snehashis is a Ph.D. student in the field of Natural Hazards and Disaster Management at the BITS - Pilani K.K. Birla Goa Campus, India. Snehashis completed his *Bachelor's degree in Geography with Hons (2018) from Aligarh Muslim University in Aligarh, India*, where he developed a passion for studying the environment and its impact on human society. This interest led him to pursue a *Master of Science in Disaster Management (2020) from Pondicherry University in Pondicherry, India*, where he gained valuable knowledge and practical experience in disaster management.

Snehashis has gained valuable practical experience in disaster management through his *work at The Indian Tsunami Early Warning System (ITEWS) located at Indian National Centre for Ocean Information Services (INCOIS) in Hyderabad*. During his time there, he worked on a project titled "*A Seismotectonic Analysis of Earthquake Swarm in Andaman and Nicobar Islands Region, India (1960 to 2020)*." This work provided him with hands-on experience in analyzing seismic activity in the region and assessing potential hazards and risks.

Snehashis's research focuses on the social conditions that exacerbate vulnerability in times of disaster. He is particularly interested in exploring how socioeconomic factors such as poverty, inequality, and social exclusion contribute to vulnerability and how disaster management strategies can be designed to address these underlying issues. Through his work, Snehashis hopes to contribute to developing more effective disaster management policies and practices that consider the complex social and economic factors that shape vulnerability in disaster-prone areas. His dedication and commitment to his research make him a valuable asset to the disaster management community and a promising scholar in his field.

RESEARCH INTERESTS

Disaster Management, Disaster Health, Disaster Preparedness, Environmental Health, Health & Flooding.

PUBLICATIONS

1. Mandal, K. K., Sarkar, T., Alam, S., Dharanirajan, K., Sharma, S. S. V., 2023. Application of Sentinel-1A SAR Data for Village Level Flood Inundation Mapping in Malda District, West Bengal, India. *Journal of Geographical Studies*, 7(1), 1-13. DOI: <https://dx.doi.org/10.21523/gcj5.22070101>
2. **Alam, S.**, Sunanda, M. V., Mandal, K. K., & Rassel, S. (2022). Characteristics of the Earthquake Swarms in the Andaman Sea Region, India, from 1960 – 2020. *Disaster Advances*, 15(3), 21–28. <https://doi.org/10.25303/1503DA2128>
3. Mandal, K. K., **Alam, S.**, Ranjan, A., Dharanirajan, K., & Kumari, P. (2020). A review of India’s response to COVID-19 outbreak and impact of lockdown on Indian economy. *Journal of Critical Reviews*, 7(13), 402–408. <https://doi.org/10.31838/jcr.07.13.71>
4. **Alam, S.**, Das, D. M. K., & Maiti, D. J. (2020). The Impact of COVID-19 in Indian Education System. In J. Mete & K. Roy (Eds.), *CORONAVIRUS (COVID-19): PUSHES ONLINE LEARNING* (1st ed., Vol. 1, pp. 98–103).

PARTICIPATION IN SEMINARS/CONFERENCES/WORKSHOPS

1. Presented paper in Graduate Research Meet (2023) on Graduate Research Meet Department of Humanities and Social Sciences Indian Institute of Technology Guwahati. The title of the paper is ***“Health Vulnerability Assessment of Char Dwellers to Riverbank Erosion and Flooding; A case study of Nirmal Char in Murshidabad, West Bengal.”***
2. Presented paper in International Indian Ocean Science Conference (IIOSC-2022) on Geology, geophysics and seabed mapping of the Indian Ocean, 14th - 18th March, 2022, sponsored by the Ministry of Earth Sciences (MoES) and Organised by The Second International Indian Ocean Expedition (IIOE-2). The title of the paper is ***“A Seismotectonic Analysis of Earthquake Swarm in Andaman and Nicobar Islands Region, India (1960 to 2020).”***
3. Presented paper in the International Conference on 'Challenges to Disaster Risk Reduction and Resilient Habitat' scheduled on 5th and 6th April, 2022, Shaheed Bhagat Singh College, University of Delhi, New Delhi. The title of the paper is ***“Flood hazard and gender vulnerability: a case study of Malda District, West Bengal.”***