

# SNEHASHIS ALAM

**Snehashis Alam** is a **Doctoral Research Fellow** at **BITS - Pilani K.K. Birla Goa Campus**, specialising in disaster management. With his research on *Disaster Health, Preparedness, and Environmental Health*, coupled with his expertise in *Remote Sensing and GIS*, Snehashis contributes to developing strategies to mitigate the impact of disasters on human populations.

## RESEARCH INTERESTS

**Disaster Health, Climate Change Adaptation, Climate-Related Disasters, Multi-Hazard Risk Assessment, Remote Sensing & GIS.**

## PUBLICATIONS

1. **Snehashis, A.**, & Bera, M. K. (2024). Flood-Induced Health Vulnerability: A Case Study of Nirmal Char in Murshidabad District, West Bengal. *Disaster Advances*, 17(6), 9–16. <https://doi.org/10.25303/176da09016>
2. 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>
3. **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>
4. 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>
5. **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).



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

## ADDRESS

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Social Sciences,  
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## EDUCATION

- **M.Sc.** Disaster Management from Pondicherry University, with a **9.04 CGPA (2018-2020)**.
- **Bachelor’s** degree in Geography from Aligarh Muslim University, India, with **first-class (2015-2018)**.
- **DITA** from The Dept. of Sports & Youth Services, Govt. of West Bengal (**2015**).
- **10th standard and Higher Secondary** Course from the West Bengal Board, both with **first-class in 2012 and 2014**

## SOFTWARE

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- ArcMap Pro & ArcCatalog
- 'R' Programming language
- QGIS
- Sentinel Application Platform (SNAP)
- Google Earth Engine
- GeoMapApp
- Generic Mapping Tools (GMT)
- Microsoft Office (Word, Excel, PowerPoint)

## INFORMATIONS

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### Languages:

- English
- Bengali
- Hindi

### Strength:

- Hardworking and commitment to work.
- Leadership abilities.
- Capable of multitasking and handling load under pressure.

## EXTRA CURRICULARS

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- CSA- PhD Representative at BITS Pilani K K Birla Goa Campus (2023 -2024).
- Placement Coordinator at BITS Pilani K K Birla Goa Campus (2023- onwards).
- Coordinator of COP+24 International Climate Change Program (2018-2019).

## HOBBIES

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Football, Photography, Volleyball, Reading Fiction and Novel.

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## CONFERENCES/WORKSHOPS

1. Presented a paper titled *"Health Vulnerability of Children and Elderly People in Flood-Affected Chars in India: A Study of the Nirmal Char"* at the International Conference on *"Transboundary Rivers of South Asia: Fostering Regional Collaboration for Environmental Sustainability"* at North South University, Bangladesh on May 7-8, 2024. The conference was held in collaboration with the Department of Geography, The University of Manchester, UK, and the associate partners were the South Asian Network for Public Administration (SANPA) and the National River Conservation Commission (NRCC), Bangladesh.
2. Attended Two-week Advanced Course on *"Space-Based Technologies for Disaster Management with special reference to Flood"* sponsored under IIRS, ISRO, Disaster Management Support Capacity Building (DMS-CB) Program, organized by the Department of Geography and Department of Physics, The University of Burdwan, Burdwan during August 1-14, 2023.
3. Presented a paper at the Graduate Research Meet in 2023, held by the Department of Humanities and Social Sciences at the Indian Institute of Technology Guwahati. The paper's title was *"Health Vulnerability Assessment of Char Dwellers to Riverbank Erosion and Flooding: A Case Study of Nirmal Char in Murshidabad, West Bengal."*
4. Presented a paper at the International Indian Ocean Science Conference (IIOSC-2022) on the geology, geophysics, and seabed mapping of the Indian Ocean. The conference was held from March 14th to 18th, 2022 and was sponsored by the Ministry of Earth Sciences (MoES) and organized by The Second International Indian Ocean Expedition (IIOE-2). The paper's title is *"A Seismotectonic Analysis of Earthquake Swarm in Andaman and Nicobar Islands Region, India (1960 to 2020)."*
5. Presented paper at the International Conference on 'Challenges to Disaster Risk Reduction and Resilient Habitat' on 5th and 6th April 2022, Shaheed Bhagat Singh College, University of Delhi, New Delhi. The paper's title is *"Flood hazard and gender vulnerability: a case study of Malda District, West Bengal."*