

Dr. Monisha Chetia

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Ms. Monisha Chetia obtained her M.Sc. in Physics from Tezpur University, M.Tech. in Exploration Geophysics from Dibrugarh University, and Ph.D. in Geophysics from Dibrugarh University. The title of her thesis is “**Plano Temporal Variability in the Brahmaputra-Ganges River System and its Tectono Geomorphic and Climatic Implications on the Valley-Range Relationship Using Multidisciplinary Approach**”. Her research interest lies in the fields of Seismology, Fluvial Geomorphology, Morphotectonics, Geophysics, Climatic Study, and Remote Sensing and GIS. She has joined Nanda Nath Saikia College as an Assistant Professor since October 2023.

Publication profile

1. Chetia, M., Gogoi, P. R., Lahiri, S. K., 2022. *Temporal variations of seismic b-value in the Himalayas and foreland region and its implications on crustal stress variability*, Acta Geophysica. doi: 10.1007/s11600-022-00999-x. ISSN: 1895-7455.
2. Gogoi, P.R., Chetia, M., Borgohain, S., Bora, M., Kumar, A., Lahiri, S.K., 2022. *Morphotectonic forcing and anthropogenic impact behind a recently emerged relict island of the Brahmaputra River*, Earth Surface Processes and Landforms, 47(13), 3062-3082. ISSN: 1096-9837.
3. Sharma, A., Barua, S., Piccinini, D., Saikia, S., Phukan, M. K., Chetia, M., Kayal, J. R., 2017. *Crustal seismic anisotropy beneath Shillong plateau- Assam valley in North East India: Shear-wave splitting analysis using local earthquakes*, Tectonophysics, 717, 425-432. ISSN : 0040-1951.

Presented papers in Conference/Seminar

1. Poster presentation on “*Morphotectonic investigations of Ganges-Brahmaputra river basins: Tectono-eustatic insights into the zonation of valleys*” in “3rd National Geo - Research Scholars Meet” (06th - 08th June, 2019) organized by the Wadia Institute of Himalayan Geology, Dehradun.
2. Participated “*Workshop on Science Writing*” conducted by Current Science Association, Bengaluru organized by Department of Applied geology, Dibrugarh University (7th-14th February, 2020).
3. Attended “*Online workshop on Geoscience Software*” organized by Datacode, Nagpur (17th – 21st August, 2020)
4. Participated “*Basic Course on Remote Sensing and GIS*” conducted by the NESAC, Shillong (14th – 25th September, 2020)
5. Attended “*International Virtual workshop on Global Seismology and Tectonics*” organised by GSTD, NEIST, Jorhat (14th – 25th September, 2020)
6. Attended “*2nd International workshop on Advanced Seismology, Seismic Hazards and Earthquake Engineering: Theory, Simulations and Observations*” organized by NIT, Agartala during 12-16 December, 2020.
7. Poster presentation on “*Temporal variation of seismic b-value during 1964-2020 in the Himalayan region and Ganges-Brahmaputra valley and its implications on decadal scale stress variability*” in “42nd Annual Convention, Seminar and Exhibition on Exploration Geophysics” (01st -03rd December, 2021) organized by the Association of Exploration Geophysicists and Wadia Institute of Himalayan Geology, Dehradun.

Awards and Achievements

1. ***DST INSPIRE Fellowship*** (from 2018 to 2023) offered by the Department of Science and Technology, Ministry of Science and Technology, Govt of India.
2. Cleared ***State Level Eligibility Test (SLET)*** in Physical Science.
3. Cleared ***UGC NET*** in Electronic Science.