

Dr. Bhaskar Kundu

Assistant Professor

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Education:

- Bachelor of Science in Geology (Hons.), Jadavpur University, Kolkata, India 2002-2005.
- Master of Science in Applied Geology, Jadavpur University, Kolkata, India, 2005-2007.
- Doctor of Philosophy (Ph.D.), CSIR-National Geophysical Research Institute & Osmania University, Hyderabad, India, 2007-2013.
- Postdoctoral research, CSIR-National Geophysical Research Institute & Osmania University, Hyderabad, India, 2013-2014.
- Assistant Professor, National Institute of Technology, Rourkela, February 2014 to till date.

Research Interest:

My research area includes crustal deformation study (using geodetic measurements), Earthquakes and Volcano deformation process (and interaction), Great earthquakes cycles and deformation process, tremor and Slow-slip events, Plate boundary vs Plate interior deformation process, Earthquake interaction and triggering process, regional tectonics and deformation, Human-induced deformation, Seasonal deformation, Tectonics and climatic interactions process etc. in order to conduct fundamental research on “Tectonic Geodesy” and various natural hazards e.g., earthquakes, volcanic eruptions, tsunami and climate change, toward safer and more sustainable societies.

Publications:

Please go through the google scholar link

<https://scholar.google.co.in/citations?user=XzQj9eoAAAAJ>

Current Projects:

- Crustal deformation study across Narmada-Son Failed rift Zone, Central India
- Geodynamics of Indo-Burmese Arc and Northeast Himalayan
- Seasonal deformation of Southeast Asia and its interaction with tectonic deformation process
- Understanding great earthquake cycle and role of rate-and-state friction dynamics using Laboratory based scaled experiments

Awards:

2005: National Scholarship, BSc, Geology

2005: IIT-JAM qualified (all India rank 32)

2006: CSIR-NET Fellowship JRF/SRF

2007: University Gold medal in M.Sc., Applied Geology, Jadavpur University, Kolkata

2007: Promoth Nath medal, M.Sc., Applied Geology, Jadavpur University, Kolkata

2007: GATE qualified (all India rank 14th)

2015: ISES Order of Merit Award for outstanding works in Earthquake sciences (Young Scientist)

2017: Outstanding contribution in Reviewing (by Journal of Asian Earth Sciences)

2019: NITRAA Research Excellence Award by NIT Rourkela Alumni Association