

DOCTORAL THESIS

Quantification of Snow Melt Contribution in Surface Runoff and Subsurface Water Using Stable Isotope Study for Brahmaputra River System. (Supervisor: Dr. Archana M Nair, IIT Guwahati)

SCHOLASTIC RECORDS

Degree	Board / Institute	Year of passing	Percentage
Ph.D. (Civil Engineering)	IIT Guwahati	Continuing	9.21/10 (CGPA)
M.Sc. (Geology)	IIT Bhubaneswar	2019	8.83/10 (CGPA)
B.Sc. Hons. (Geology)	Utkal University	2017	83.12 (Hons)
+2 Science	CHSE, Odisha	2013	75.00
10 th	BSE, Odisha	2011	88.33

SCHOLASTIC ACHIEVEMENTS

- Prime Minister's Research Fellowship for doctoral studies at IIT Guwahati. (2021)
- Qualified GATE (Geology and Geophysics). All India Rank: 276 (2020)
- Qualified GATE (Geology and Geophysics). All India Rank: 517 (2019)
- Summer Internship Programme in PRL, Ahmedabad. (SIP 2018)
- Qualified IIT-JAM. All India Rank: 55 (2017)
- Awarded as Meritorious Students by Odisha Free Laptop Distribution scheme, Govt. of Odisha. (2013)
- Dr. Priti Bajpai Memorial Scholarship, Police High Schools, Govt. of Odisha. (2011)

PROFESSIONAL EXPERIENCES

- Training on Glacier studies and Remote sensing (DST, DCCC, IISc Bengaluru) (2023).
- Four-day workshop titled "Exploring Climate Change with Google Earth Engine" by Liza Goldberg, NASA.
- Teaching Assistant: Taught Planetary Remote sensing and Isotope Hydrology, a postgraduate course at Gauhati University, Department of Geological Sciences.
- Junior Research Fellow (GATE): Study of glacial dynamics and sustainable hydrological resources in Arunachal Himalaya (PI: Prof. Chandan Mahanta, IIT Guwahati).
- Guest lecturer (Geology): Saraswati Degree Science College, Cuttack, Odisha (2019-20).
- M. Sc. Dissertation: 3-dimensional digital reconstruction of field outcrops using photogrammetry techniques and extracting structural information from the digital model (Advisor: Dr. Y.K. Singh, IIT Bhubaneswar).
- Summer Intern: Paleoenvironmental reconstruction using stable isotopes (Advisor: Prof. Sanjeev Kumar, PRL, Ahmedabad (2018)).

COMPUTATIONAL AND ANALYTICAL SKILLS

Windows, Linux, Microsoft Office, ArcGIS 10.7, Corel DRAW X5, Agisoft Photo scanner, GeoVis 3D, Global Mapper and Auto CAD, Arc SWAT, ENVI 5.3.

LGR Triple Isotopic Water Analyzer (L-TIWA), ICP-MS, Isotope-Ratio Mass Spectrometer (IRMS), XRD, Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES), and Differential Global Positioning System (DGPS).

Technical operator for LGR Triple Isotopic Water Analyzer (L-TIWA), Isotope Hydrology Lab, (PI: Dr. Archana M Nair) & Technical operator for ICP-MS, Central Instruments Facility, IIT Guwahati.

EXTRACURRICULAR ACTIVITIES

- Volunteer: Cleanliness drive for Wake-up Kids
- Member: Social Service team "Soul for Solace", IIT Bhubaneswar
- Assistant Coordinator: Women Welfare Committee, IIT Bhubaneswar
- Coordinator: Career Development Cell, IIT Bhubaneswar
- Student Coordinator: PhD council, SAB, IIT Guwahati
- DPPC Student Head: Department of Civil Engineering, IIT Guwahati
- Unit Coordinator: National Service Scheme (NSS), IIT Guwahati
- Secretary: SPE students Chapter IIT Guwahati