

Dr. ROSHMI BORUAH

Assistant Professor
Department of Geology
Royal Global University
Betkuchi
Guwahati-781035, Assam

Contact: 7002977728,
9127212662

E-mail:
rboruah@rgu.ac

CURRICULUM VITAE

Career Objective:

To get the highest level of success by virtue of hard work, dynamism and dedication, employing by analytical, technical and management skills and contribute towards overall development of the organization wherein I get a chance to work and prove myself as a valuable asset for the organization.

Academic Qualifications: PhD in Geological Sciences.

- **PhD on ‘Sedimentology of the Neogene Sequence in East and West-Siang Districts, Arunachal Pradesh, India under Gauhati University** in 2022.
- **M.Sc (Applied Geology)** from **Dibrugarh University (Assam)** in 2013 securing 1st class and 7.24 CGPA.
- **B.Sc (Geology)** from Sibsagar College, **Joysagar (Assam)** in 2011 securing 1st class with 71.2%.
- **H.S.S.L.C. (10+2)** from **Salt Brook Academy, Dibrugarh (Assam)** affiliated to AHSEC board in 2008 securing 1st class with 66.2%.
- **H.S.L.C. (10th)** from **St. Francis De Sales School, Dhemaji (Assam)** affiliated to SEBA board in 2005 securing 1st class with 76.16%.

Dissertation Topic (M.Sc):

A Study on provenance and depositional environment of the Barail Group of rocks exposed along Tuli-Mokokchung, Nagaland.

Area of specialization: Sedimentology

Geological field experience:

- Geological fieldwork in and around Amber Fort, Jaipur Rajasthan.
- Geological fieldwork in and around Tuli-Mokokchung, Nagaland.
- Geological fieldwork in East and West Siang Districts, Arunachal Pradesh.

Work experience:

- 1 and half years of teaching as Guest Faculty in the Department of Geology (Post Graduate course), Pragjyotish College, Guwahati (2021- present).
- Rock and soil analyst related to Engineering Geology (mainly laboratory works) in Beaver Infra Consultants Pvt. Ltd. (2017 – present).

Seminar, conferences etc.:

- Presented a paper titled **‘A Study on provenance and depositional environment of the Barail Group of rocks exposed along Tuli-Mokokchung, Nagaland’** in the National seminar on “Geology, Tectonics, Geo-Hazards and Natural Resources of North East India” during 3rd – 4th November, 2014, organized by Dept. of Geology, Pachhunga University College, Aizawl, Mizoram.
- Presented a paper titled **‘Geochemical characteristics of Neogene sandstones of East and West Siang District of Arunachal Pradesh, India: Implications for source-area weathering, provenance and tectonic setting’** in the Virtual National Seminar on Sedimentation, Tectonics and Metallogeny of North-East India jointly organized by North-Eastern Hill University, Shillong and Geological Society of India, Bengaluru during 21st to 23rd September, 2020.

Publications:

1. **Boruah, R., Laskar, J.J. (2021).** Geochemical characteristics of Neogene sandstones of the East and West Siang Districts of Arunachal Pradesh, NE India: implications for source-area weathering, provenance, and tectonic setting. *Acta Geochim.* <https://doi.org/10.1007/s11631-021-00497-9>.
2. **Boruah, R., and Jivan Laskar, J. (2020).** Heavy Mineral Composition and Sources of Himalayan Neogene Sediments Occurring along the Garu-Likabali Road Section, West Siang District, Arunachal Pradesh, India. *Journal of Geography, Environment and Earth Science International.* 24(1), 26-33, ISSN: 2454-7352.

Computer proficiency:

- **Operating system:** Windows
- **Office software:** MS Office
- **GIS software:** ArcGIS, QGIS
- **Corel Draw, Global mapper, Origin Pro**

Technical skills:

- Geological mapping and surveying.
- Petrographic study of rocks (sedimentary) and minerals.
- GIS and remote sensing softwares.
- Handling of Uniaxial Compressive machine and Point load test (for rocks), Direct shear test, Triaxial test, Cone Penetration test and Consolidation test (for soils) and their analyses.

Area of Interests:

- ◆ Sedimentology, Sediment Geochemistry
- ◆ Engineering Geology

References:

- Dr. Jayanta Jivan Laskar, Associate Professor, Department of Geological Sciences, Gauhati University, Guwahati-781014, Assam
E-mail: jlaskar@gauhati.ac.in
Mobile No: +91-9864025590

Declaration:

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

Roshmi Boruah

Date: 13/02/2023

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