CURRICULUM VITAE

ASHA BORGOHAIN

Personal Data

Name & Designation: Asha Borgohain
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Department of Civil Engineering (Geology)
Assam Engineering College
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Area of Specialization: Structural Geology

EDUCATIONAL PROFILE

Degree	College/Department	Board/University	Year of Passing	Percentage
Ph.D. (Pursuing)	Department of Earth Sciences	Indian Institute of Technology, Roorkee	2021 - present	-
M.Sc in Geology	Department of Geology	Sikkim University	2017	87.5%
B.Sc in Geology	Sibsagar College	Dibrugarh University	2015	75.21%
HS	Gyan Vigyan Academy	AHSEC	2011	77%
HSLC	Little Flower School	SEBA	2009	81.16%

AWARDS/ACHIEVEMENTS:

- Gold Medalist in Master of Science (Geology)
- INSPIRE FELLOWSHIP, 20th December 2018
- CSIR-NET 2018(June)
- SRF under Ministry of Human Resource Development (MHRD), IIT Roorkee

RESEARCH INTEREST

Specialization in petrology, structural analysis, kinematic deformation, and GIS-based mapping, with expertise in Anisotropy of Magnetic Susceptibility (AMS), Kappa-T measurements (k-T), microstructures, and ductile deformation of crystalline rocks.

RESEARCH TOPIC

"Interpreting the kinematics and deformation history of the Lesser Himalayan basement gneiss and its implication on the tectonic evolution of the Himalayan core".

INTERNATIONAL / NATIONAL CONFERENCES

- ***European Geosciences Union (EGU), 2024 held at Vienna, Austria***: Borgohain, A., Bhatt, S., & Banerjee, S. (2024). *Magnetic Fabric Analysis of Sheared Rocks along the Alaknanda-Dhauliganga Valley: Insights into the Structural Deformation and Evolution of the Main Central Thrust in the Himalayan Region* (No. EGU24-16950). Copernicus Meetings

- ***Indian Institute of Technology, Kharagpur***: Borgohain, A., Bhatt, S., & Banerjee, S. *Interpreting the magnetic fabric intensity across the Main Central rust zone, Alaknanda-Dhauliganga valley, Garhwal Himalaya.* In *Group Photo–IASGT Workshop 2024 (IIT Kharagpur, India).*

- ***European Geosciences Union (EGU), 2023 (online)***: Borgohain, A., Gairola, P., Bhatt, S., Rana, V., & Banerjee, S. *Deciphering the variation of magnetic fabric intensity across the Main Central Thrust in Garhwal Himalayas.* EGU General Assembly Conference Abstracts, EGU-12219

WORKSHOPS / SEMINAR / TRAINING

- Training in Geological Mapping of the Jharia Coalfield, Dept of Applied Geology, ISM, Dhanbad
- Training in Glacier, Climate Change and Remote Sensing, Divecha Centre for Climate Change, IISc Bangalore
- e-Lecture Sessions on "Geophysical Data Interpretation for Mineral Targeting" (30.11.2021) organized by Geological Survey of India Training Institute (GSITI) https://gsiti1.webex.com/meet/gsiti.etraining6
- Institute Lecture Series IIT Roorkee "Challenges, Opportunities and Directions of S&T in the New Millennium" (26th November 2021) by Prof. Ashutosh Sharma IIT Kanpur, Former Secretary, DST, Govt. of India.
- 6th Conference on Rock Deformation & Structures (RDS-VI) Under the aegis of Structural Geology and Tectonic Studies Group India (SGTSGI) Affiliated to IUGS commission on ***Tectonics and Structural Geology*** (TecTask),8-10 October,2021 https://meet.google.com/gfa-fjhc-vgb
- e-Training Program on "Basics of Geological and Geophysical Mapping Techniques" during 04.10.2021 to 07.10.2021 organized by Geological Survey of India Training Institute (GSITI) *https://gsiti.webex.com/meet/gsiti.etraining4*

SKILLS

- CorelDraw
- ArcGIS for mapping
- Operation of the Anisotropy of Magnetic Susceptibility (AMS) Instrument and Conducting Kappa-T (k-T) Measurements

PUBLICATIONS

Borgohain, S., Borgohain, A., Borgohain, R., Tewari, V. C., & Ranjan, R. K. (2018). Microfossils, Microfacies and depositional environment of the Paleocene-Eocene carbonates of the Shillong Plateau, Meghalaya, NE, India. *Jour. India, Geol. Cong, 10*, 5-14.