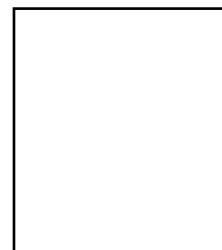


CURRICULAM VITAE

NISHANTA SAHARIAH

C/O A.J Baruah
Opposite to Swadeshi Academy
Tarun Nagar, ABC
Kamrup (M)
Assam – 781005
Mobile No : +91-7002662676
Email id. – nishantasahariahns21@gmail.com



VISION AND OBJECTIVE

To work and carve out a career in an organization of repute, that facilitates corporate as well as personal growth through learning and team work and be a valuable part of a technical and operational team.

RESEARCH FOCUS

Faculty Expertise: Sedimentology and sediment geochemistry

Research interests: Investigating the petrofacies and controls on sedimentation processes in modern environments and reconstructing paleoenvironments, provenance and tectonic settings by studying the petrography and geochemical signatures of sediments. Also, studying diagenetic processes and their implications for reservoir quality in petroleum systems and Developing depositional models to simulate sedimentary basin evolution, including subsidence, sedimentation rates, and thermal history.

Specific areas of research:

- 1) Late – Palaeocene - Early Eocene subsurface rocks of Tura Formation in the upper Assam Basin and its correlation with the surface rocks of the same formation in West Garo Hills, Meghalaya.
- 2) Girujan Clay Formation in Upper Assam Basin

RESEARCH PROJECTS

Ongoing project:

Project title: “**Tectono-sedimentation History and Hydrocarbon Potential of the Tura Formation exposed in Garo Hills, Meghalaya, NE India**”

Dr. Roshmi Boruah (PI) and Dr. Nishanta Sahariah (Co -PI)

Funding Institute: The Assam Royal Global University under seed money proposal, 2024.

Project submitted:

Project title: “**Petro – geochemical studies of the Girujan Clay Formation in Upper Assam Shelf, NE India :Implications for Hydrocarbon Potential and Depositional Environment**”

Dr. Nishanta Sahariah (PI) and Dr. Roshmi Boruah (Co-PI)

Funding agency: SERB – SURE, New Delhi.

EDUCATIONAL QUALIFICATIONS

* Awarded the degree of Doctorate of Phillosophy under the supervision of Prof.Pramathesh Bhattacharyya, Department of Applied Geology, Dibrugarh University.

Title of Research : Petrography, Geochemistry and Clay Mineralogy of the Tura Formation in parts of the Upper Assam Shelf.

Date of award : 07/10/2022

| STREAM | COLLEGE/S CHOOL | UNIVERSITY/ BOARD | YEAR OF PASSING | DIVISION | %AGE /SGPA |
|--|---|-------------------------|--------------------|---|---------------|
| M.Sc (Applied Geology) | Dibrugarh University | Dibrugarh University | 2012 | 1 st class | 7.99 |
| B.Sc (Geology) Part III (1+1+1) | Cotton College | Gauhati University | 2010 | 1 st class (with distinction) | 69.1 % |
| H.S.S.L.C(Science) | Mangaldai Govt. Higher Secondary School | AHSEC | 2006 | 1 st Div | 73.6% |
| H.S.L.C. | Mangaldai Town Girls' Higher Secondary School | SEBA | 2004 | 1 st Div (star) | 77.2% |

INTERNSHIPS

1. SCHLUMBERGER, MUMBAI (10/01/2012 – 10/02/2012)

Topics covered -

- An overview of basic openhole logs and their applications
- FMI tool and its processing, and its applications
- Have done a small project on FMI

2. OIL INDIA LIMITED, DULIAJAN (03/07/2012-21/07/2012)

Topics covered –

- Exploratory stages of hydrocarbon from seismic survey, drilling to casing and cementing.
- Brief introduction to petroleum systems, well log interpretation, oil recovery enhancement and NELP.
- Other stages of hydrocarbon exploration viz development stage, reservoir management and workover section.
- Geochemical studies, core sample analysis and sedimentological aspects regarding reservoir properties and depositional environment.

FIELD EXPERIENCES

Geological field work at East Siang district, Arunachal Pradesh

(5th april – 9th april, 2012):

Studied the petrochemistry and petrographic behaviour of the volcanic and plutonic rocks occurring in the East Siang district, Arunachal Pradesh.

**Geological field visit to Umananda (A River Island in Brahmaputra), Kamrup Assam.
(1st February – 4th February 2009):**

Studied the lithological and structural features of the Gneissic rocks of Assam Meghalaya Plateau

**Geological field visit to Narnaul, Haryana.
(1st December -17th December, 2010):**

Studied the lithological and structural features of the low grade to high grade rocks of Delhi Super Group.

ACADEMIC PROJECTS

M.Sc. Dissertation –

Studies on extrusive and intrusive rocks of lower Siang and Yamne valley of East Siang district, Arunachal Pradesh, India

Supervisor : Dr. Pramathesh Bhattacharya

B.Sc. Projects –

Studies on lithology and structural features of the gneissic rocks of Assam – Meghalaya plateau

Supervisor : Dr. Abhijit Bordoloi

Studies on lithology and structural features of the low grade to high grade rocks of the Delhi supergroup

Supervisor : Satyajit Katak and Tamal Berma

SCHOLASTIC ACHIEVEMENTS

- International Young Scientist Best Oral Presentation
- INSPIRE Fellowship holder.
- Gold medalist in M.Sc.
- Silver medalist in B.Sc.
- Scholarship holder of Rs 1lakh being the topper of M.Sc final semester
- Scholarship holder of Rs 60,000 being the topper upto M.Sc 2nd semester
- National Scholarship holder in Class 10th
- Scholarship holder in Class 4th & Class 7th

PUBLICATIONS

- Published a paper entitled “**Palaeo-depositional environment of Tura Sandstones, Upper Assam Basin, India: Inference from sedimentology and Geochemistry**” by Sahariah, N¹ and Bhattacharyya, P¹ in the Journal of Applied Geochemistry (2024).
- Published a chapter entitled “ **A report on the occurrences of volcanoclastic/pyroclastic rocks in parts of Tura Formation, Upper Assam Basin, India**” by Sahariah, N. and Bhattachayya, P. in the book “ **Recent Advances in Geology and Earth Sciences**”, vol 3 (2022)
- Published a paper entitled “ **Source Rock Characteristics And Depositional Environments of the Basal Part of Tura Formation in Parts of Upper Assam Basin: Insights From Petrography And Whole Rock Geochemistry** ” by

Nishanta Saharia and Pramathesh Bhattacharyya in the International Journal of Scientific and Technology Research, vol 9 (2) February 2020, ISSN 2277 – 8616.

- Published a paper entitled **“Geochemical characteristics of the Tura Formation in parts of the Upper Assam Basin: An implication on Provenance, Tectonic Setting and Source – area Weathering”** by Saharia, N¹ and Bhattacharyya, P¹ in the Journal of Applied Geochemistry, vol 21 (1) 2019

PAPER PRESENTATION AND PARTICIPATION

- Participated and presented a paper entitled “Provenance, Tectonic setting and Source area weathering of Early Eocene rocks of Tura Formation, Upper Assam Basin, India: Sedimentological, mineralogical and geochemical constraints” at online International Conference on “Recent Developments in Earth & Environmental Sciences, Natural Resource Management and Climate Change with special focus on Eastern Himalayas” on March 26-27, 2020
- Participated and presented a paper entitled “Provenance, Tectonic setting and Redox conditions of basal part of Tura Formation in the areas of Upper Assam Basin : Insights from Petrography and Whole Rock Geochemistry” at 8th International Science Congress organized by International Science Community Association in collaboration with Maharishi Markandeshwar (Deemed to be University) Mullana, Ambala, Haryana, India held on 8th-9th December, 2018.
- Participated and presented a paper entitled "Geochemical characteristics of the Tura Formation in parts of the Upper Assam Basin: An implication on Provenance, Tectonic Setting and Source area Weathering" on the occasion of National Symposium-2017 on “Emerging Trends in Geosciences, Mineral Exploration and Environmental Sciences for Sustainable Development” held at Atomic Minerals Directorate for Exploration and Research (AMD), Begumpet, Hyderabad during 20-21, December 2017 organized by Indian Society of Applied Geochemists (ISAG) jointly with Atomic Minerals Directorate for Exploration and Research (AMD), Begumpet, Hyderabad.
- Participated in the UGC SAP (DRS II) sponsored seminar on “Recent developments in Geo scientific studies on Shillong Mikir Massif, Upper Assam and Eastern Himalayas held at Department of Applied Geology, Dibrugarh University, Assam on 30th March, 2016.
- Participated in the DST sponsored training programme on “ Construction of balanced cross sections and structural profiles in deformed terranes” at the Department of Applied Geology, Dibrugarh University, Assam on 31st October, 2014.
- Participated in the national seminar on “ Multidisciplinary approach in sedimentary basin studies” held in the Department of Applied Geology, Dibrugarh University, Assam from 15th-16th March, 2012.

WORKSHOP ATTENDED

- Participated one week faculty development programme on “ Geo – environmental research and its social implications” (virtual mode) organized by Department of Environmental Science and Department of Geology, Assam Royal Global University, Guwahati from 12th – 17th September, 2022
- Participated in the one week workshop on “Petrography” organized by Department of Geological Sciences, Gauhati University, Guwahati during 27th March - 1st April, 2017.

- Participated in the two days national workshop on “ Research paper and project proposal writing” organized by DibrugarhUniversity Research Scholars' Association, Dibrugarh University, Assam during October 24th and 25th, 2016.
- Participated in the International workshop on “Hydrology : An interdisciplinary science of water” from 4th January 14th-January, 2016 organized by Global Initiative for Academic Network (GIAN) at Tezpur University, Assam.
- Participated in the regional workshop for young earth scientists on “Tectonics, Sedimentation And Geo Hazards WithSpecial Reference To North East India” conducted by the Department of Geology, Nagaland University, Kohima from 16-21st November, 2015.

COMPUTER SKILLS

- Basic computer knowledge covering MS-Office.
- Six months course on Geoinformatics (GIS, Remote Sensing, GPS); software used – ArcGIS, ERDAS Imagine, SAGA, Quantum GIS.

OTHER QUALIFICATION

- Six months certificate course on Disaster Management

PERSONAL STRENGTHS

- Punctual and hardworking
- Strong will power
- Adaptable and Responsible

HOBBIES

- Reading
- Listening to Music

PERSONAL INFORMATION

Husband's Name : Aoicharjya Jibon Baruah
D.O.B. : October 21, 1988
Sex : Female
Nationality : Indian
Marital Status : Married
Language Known : English, Hindi & Assamese

DECLARATION

I hereby declare that all the above particulars given by me are true to the best of my knowledge and belief.

Date : 05/04/2024

Place : Guwahati

Nishanta Sahariah

(NISHANTA SAHARIAH)