

Dr. Urbashi Sarkar

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Google Scholar link: <https://scholar.google.com/citations?user=zuQ2FVMAAAAJ&hl=en>

ResearchGate Link: <https://www.researchgate.net/profile/Urbashi-Sarkar>

Research Interest:

Micropalaeontology

Biostratigraphy

Palaeoclimatology and climate change

Sequence Stratigraphy

Employment:

2025-Present: Assistant Professor, Dept. of Earth Sciences, IEST Shibpur, India.

2013- Present: Assistant Professor, Dept. of Earth Science, Assam University, Silchar, India. (On Lien)

January - December, 2016: Assistant Professor, PG Dept. of Geology, Utkal University, Bhubaneswar, India. (on E.O.L. from Assam University)

Publication:**Journal:**

10. Basumatary, P., **Sarkar, U.**, Nath, A., Nath, A. J., 2025. Gender–Climate Nexus. International journal of ecology and environmental sciences, 51(6).

9. Haokip, T.N., **Sarkar, U.** and Nayak, B. R., .2023. An investigation on palaeoclimatic conditions and depositional environment of Palaeocene Therria Sandstone, north-east India. Journal of Sedimentary Environment, 8 (1), pp. 1 -21.

8. **Sarkar, U.**, and Das, R. K., 2022. Contribution to the study of the paleoenvironmental evolution (Eocene) of the eastern part of Tethys: a comprehensive study from Prang Limestone, Meghalaya, India. Journal of sedimentary environments, 7 (4), pp.651 – 670.

7. Mondal, S. and **Sarkar, U.**, 2021. Predatory drilling traces on Recent Foraminifera from Chandipur coasts, India. Journal of Foraminiferal Research, 51 (4), pp.286-293.

6. Saraswati, P. K., Banerjee, S., **Sarkar, U.**, Chakraborty, S., Khanolkar, S., 2016. Eocene Depositional Sequence and Cycles in Kutch. Special Publication of the Geological Society of India (6), pp.46-56.

5. **Sarkar, U.**, Banerjee, S., Saraswati, P. K., 2012. Integrated borehole and outcrop study for documentation of sea level cycles within the Early Eocene Naredi Formation, western Kutch, India. Journal of Palaeogeography (1), pp 126-137.

4. Saraswati, P. K., **Sarkar, U.**, Banerjee, S., 2012. *Nummulites solitarius* – *Nummulites burdigalensis* lineage in Kutch with remarks on the age of Naredi Formation. Journal of Geological Society of India (79), pp. 476-482.
3. Banerjee, S., Chatteraj, S. L., Saraswati, P. K., Dasgupta, S., **Sarkar, U.**, 2012. Substrate control formation and maturation of glauconites in the Middle Eocene Harudi Formation, western Kutch, India. Marine and petroleum geology (30) 1, pp. 144-160.
2. Banerjee, S., Chatteraj, S. L., Saraswati, P. K., Dasgupta, S., **Sarkar, U.**, Bumby A., 2012. The origin and maturation of lagoonal glauconites: A case study from the Oligocene Maniyara Fort Formation, western Kutch, India. Geological Journal (47), pp. 357–371.
1. Chatteraj, S. L., **Sarkar, U.**, Chakraborty, S., Banerjee, S. and Saraswati, P. K., 2012. Facies and Paleogeography of the Middle Eocene Fulra Limestone, Kutch. Journal of the Indian Association of Sedimentologists (31), pp. 1-10.

Professional Experience:

Research and Consultancy Projects:

1. District Survey Report of Cachar District under Cachar Forest Division, Silchar. Project by Govt. of Assam. Project amount: **Rs. 22,50,000/-**, Project Status: **Completed**
2. Petrographic Test Report of different lithologies of Dillai Parbat Limestone Mines, Cement Corporation of India. **Consultancy amount: Rs. 20,000/-**. Project status: **Completed**
3. Petrography of Limestone and Sandstone units of Star Cement Mines. Consultancy amount: **Rs. 40,000/-**, Project status: **Bidding completed**

Invited Lecture:

- 2024: U. Sarkar: Palaeoclimatic condition and depositional environment of palaeocene Therria sandstone, assam basin. National Seminar and Workshop on Recent Advances in Ichnology and Sedimentary Geochemistry, 26th to 28th October, 2024, IIT Bombay, India.
- 2024: U. Sarkar: Coastal Pollution: cause, effect and awareness, Swachhata Hi Seva, 2024, organised by CMPDI (subsidiary of Coal India Limited), RI-VII, Bhubaneswar, India.
- 2024: U. Sarkar: Application of foraminifera in palaeoclimatic and palaeoenvironmental analysis, Durgapur Govt. College, West Bengal.
- 2022: U. Sarkar: Prospect of Sand Mining and Sand Replenishment Study at Barak Valley, Assam. awareness session/workshop, CMPDI (subsidiary of Coal India Limited), RI-VII, Bhubaneswar.
- 2020: U. Sarkar: Effect of Covid-19 Pandemic on Environment, One Day International Webinar on Reality and Hope in the Pandemic Phase: An Interdisciplinary Approach, Department of Sociology and IQAC, Surya Sen College, Siliguri, West Bengal.
- 2015: U. Sarkar: Basics of Sequence Stratigraphy, Dept. of Geology, G. C. College, Assam, India.

Organizer:

1. Co-ordinator, Geo-scientific research during COVID-19: Challenges and Advances, organized by Department of Earth Science, Assam University, Silchar, held on 10th December, 2020.

2. Co-ordinator, Springer Author Lecture on Scientific writing and publishing, organized by Dept. of Earth Science, Assam University, Silchar held on 20th August, 2018.
3. Co-ordinator, National workshop on “Sequence and Seismic Stratigraphy” organized by Dept. of Earth Science, Assam University on 9th and 10th March, 2018.

Editorial Board Member

International Journal of Environment and Disaster Studies, Apricus Journals.

Professional Memberships:

Geological Society of India (JGSI), The Micropaleontological Society (TMS), Indian Association of Sedimentologists (IAS), Society for Sedimentary geology (SEPM), International Association for Promoting Geoethics (IAPG)

Reviewer:

Journal of Geological Society of India

Journal of marine and petroleum geology

Boletín de la Sociedad Geológica Mexicana

Journal of Geosciences Research, Gondwana Geological Society

Administrative Experience

International:

1. Member, Organizing committee, TMS-Cushman Foram Seminar, 2023-2024.

University Level:

2. Member, Organizing Committee, 22nd Convocation, Assam University, 2025.
3. Member, Risk Management Committee, Assam University, 2023-2026.
4. Member, committee for amendment in Assam University M.Phil/Ph.D. ordinance, 2023

School Level:

5. Member, Board of PG Studies, Dept. of Urdu, Assam University, Silchar, 2021 -2024.
6. Member, Board of PG Studies, Arya Bhatta School of earth Science, Assam University, Silchar, 2017 –till now.
7. Member, Board of Undergraduate Studies, Arya Bhatta School of earth Science, Assam University, Silchar. 2020 -till now.
8. Member, Syllabus revision and NEP syllabus preparation committee, PG Earth Science, Assam University, 2015, 2018, 2021, 2022
9. Member, NEP UG syllabus Preparation Committee, Earth Science, Assam University, 2022

Departmental Level:

10. Editor, Departmental newsletter “Blue Planet”, Department of Earth Sciences, IIST Shibpur.
 11. Head In Charge, Department of Earth Science, Assam University, In different time from 2022-2025.
 12. Member, PG and PhD admission committee, Dept. of Earth Science, Assam University, Silchar, 2014 – 2025.
 13. Member, Project Monitoring Group, DST-FIST, Department of Earth Science, Assam University, Silchar, 2022.
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14. Member, Departmental Research Committee, Dept. of Earth Science, Assam University Silchar, 2018- 2025.
15. Member, Purchase Committee, Dept. of Earth Science, Assam University, Silchar, 2017-2019.
16. “Teacher-in-charge” as Vice-Chancellor Nominee for the 2nd General Science Fest, Scientia, Student Science Fest, Assam University, 2018.
17. Museum-in-charge PG Dept. of Geology, Utkal University, 2016.
18. Verifying officer, M.Phil Admission, PG Dept. of Geology, Utkal University, 2016.
19. Member, Syllabus revision committee, Dept. of Earth Science, Assam University, 2015.

Outreach Program:

1. Organized **“Learning Fossil (an awareness program for school children)”** as a part of celebration of International Fossil Day, 2022 in collaboration with **Palaeontological society of India**.
2. Organizing **“TMS-Cushman Foram Seminar”** (a monthly seminar series by the joint venture of The Micropalaeontological Society and The Cushman Foundation) every month from May, 2023 -June, 2024.
3. Worked as an **expert to review the District Survey Report (DSR, 2024) of Hailakandi district** for minor mineral under the supervision of Divisional Forest Officer, Hailakandi, Assam.

Training Attended:

1. Participated 4 days leadership program under “Women in Space and Allied Science Leadership Program (WisLP)” of Department of Science and Technology, Govt. of India, New Delhi in collaboration with British Council from 21st January to 24th January, 2025 at Science and Technology Bhawan, New Delhi.
 2. Participated multidisciplinary refresher course entitled, “Climate Impact and Disaster Management” organized by Assam University Teachers’ Association under the aegis of UGC-MMTTC, Assam University, Silchar, from November 25th to December 07th, 2024.
 3. Participated in inter-disciplinary refresher course on “Modern methods of earth system science from 18th September to 11th October, 2018 at Jadavpur University, Kolkata, India.
 4. Participated on orientation program from 30th July to 26th August, 2015 at University of North Bengal, India.
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Research Supervision:

PhD:

2023 -ongoing: Ranuj Kumar Das, Assam University, Silchar

2019 – ongoing: Jumeer Dowari, Assam University, Silchar

2019- **Submitted:** T Ngamlengin Haokip, Assam University, Silchar

M.Phil:

2021: Awarded, Ranuj Kumar Das, Assam University, Silchar

2016: Awarded, Ritu Rai, Utkal University, Bhubaneswar

Awards and Honours

1. Awarded “People Choice Award” at “Women in Space and Allied Science Leadership Program (WisLP)” of Department of Science and Technology, Govt. of India, New Delhi in collaboration with British Council held at Science and technology Bhawan, New Delhi, 2025.
 2. Special Registration Support Program, International Geological Congress, 2020.
 3. Consolation Prize at “Best poster category” at International Conference on Microscopy and the XXXIX Annual Meeting of Electron Microscope Society of India (EMSI 2018), July 18th to 20th, 2018 in Bhubaneswar, India.
 4. Cleared CSIR-NET 2008
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Establishment of New LAB/Museum:

1. Establishment of PG Palaeontology Laboratory, Department of Earth Science, Assam University.
 2. Establishment of Micropalaeontology and Sequence Stratigraphy Laboratory, Department of Earth Science, Assam University
 3. Renovation of geological museum, PG Department of Geology, Utkal University
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