



Dr. Indrani Mondal

Assistant Professor

Department of Geology,

Kabi Jagadram Roy Government General Degree College, Mejia
Bankura-722143, India.

☎ +91 8582980987

✉ mondalindrani59@gmail.com

• **Research Interest:**

- Proterozoic Shale Geochemistry
- Proterozoic Bio sedimentology, Biogeochemistry
- Paleogeography, paleoenvironmental studies of Proterozoic sediment.
- Precambrian life

• **Academic Qualification:**

EXAMINATION	INSTITUTE	BOARD/ UNIVESITY	YEAR	PERCENTAGE
Secondary	U.G.M.K GIRLS' HIGH SCHOOL	WBBSE	2008	91.2
Higher Secondary	U.G.M.K GIRLS' HIGH SCHOOL	WBCHSE	2010	88.8
B.Sc.	JADAVPUR UNIVERSITY	JADAVPUR UNIVERSITY	2014	70.01
M.Sc.	JADAVPUR UNIVERSITY	JADAVPUR UNIVERSITY	2016	75.68
Ph.D	JADAVPUR UNIVERSITY	JADAVPUR UNIVERSITY	2024	-----

• **Details Of Employment:**

Employer	Position held	Duration	Subject Taught
Kabi Jagadram Roy Government General Degree College, Mejia	Assistant Professor, W.B.E. S	09.12.2020- Present	Mineral Science, Paleontology, Economic Geology, Stratigraphy, River science, Geomorphology Engineering Geology
J.K. College, Purulia	Assistant Professor	09.08.2019- 08.12.2020	Earth System Science, Geochemistry, Sedimentology, fuel geology, Hydrogeology, Geomorphology, Stratigraphy

• **List of Publications**

1. Mandal, S., Choudhuri, A., **Mondal, I.**, Sarkar, S., Chakraborty, P. P., & Banerjee, S. (2019). Revisiting the boundary between the Lower and Upper Vindhyan, Son valley, India. *Journal of Earth System Science*, 128, 1-16.
2. Mandal, S., Banerjee, S., Sarkar, S., **Mondal, I.**, & Choudhury, T. R. (2020). Origin and sequence stratigraphic implications of high-alumina glauconite within the Lower Quartzite, Vindhyan Supergroup. *Marine and Petroleum Geology*, 112, 104040.

- **Abstract**
Published in
Conference

3. **Mondal, I.**, Koner, A., Choudhuri, A., & Sarkar, S. (2022). Paleoenvironmental Dynamics in a Mesoproterozoic Epicontinental Sea, Faded Shale, Son Valley, India. In *Geochemical Treasures and Petrogenetic Processes* (pp. 279-313). Singapore: Springer Nature Singapore.
4. Mandal, S., Srimani S., **Mondal, I.**, Choudhuri A., Das,A., Das, K., Banerjee, S., Sarkar, S. Seismic-Aseismic impact on marine depositional dynamics and sedimentary architecture: Study on multilayer - multiscale SSDS in Proterozoic Rohtas Limestone, India. In *Sedimentary Geology* (Available online)
5. Choudhury, T. R., Srimani, S., **Mondal, I.**, Chakrabarty, A., Banerjee, S., & Sarkar, S. (2024). Berthierine authigenesis as grain pseudomorph? A new insight from the early Maastrichtian Kallankurichchi Formation, India. *Applied Clay Science*, 249, 107255.
6. **Mondal, I.**, Choudhuri, A., Choudhury,T.R., Koner, A.,, Mandal, S., Sarkar, S. Sedimentology, sequence building and geochemical reappraisal of the black shale of Mesoproterozoic Rampur Shale Member, Vindhyan Basin, India and its implications. In *Journal of Paleogeography* (submitted after revision)
1. **Mondal, I.***, Chaudhuri, A., Sarkar, S. 2019. Spectacular Morphic and Geochemical Record of Microbial Consortia in the Mesoproterozoic Rampur Shale, Son Valley. in National Seminar on Sedimentary researches: 35th convention of Indian Associations of Sedimentologist (IAS).
2. Mandal S, Chanda P, **Mondal I**. 2019. Seismites: Rocords from the Rohtas Limestone Formation, Vindhyan Supergroup, Central India. 35th Convention of Indian Association of Sedimentalogist (IAS).
3. Choudhuri A, **Mondal I**, Mandal S, Sarkar S. 2019. Tempestites vs. Fluxoturbidites: Transition between the Koldaha Shale and the Chorhat Sandstone, Vindhyan Supergroup. 36th Convention of International Association of Sedimentology.
4. **Mondal, I. ***, Chaudhuri, A., Sarkar, S. 2020. Fingerprints of Microbiota in the 1.5 billion years old Rampur Shale, Central India". HUMBOLDT KOLLEG on "Food, Livelihood, Opportunity and Wood (FLOW)".
5. **Mondal, I. ***, Choudhuri, A., Koner, A., & Sarkar, S. 2022. DOES Mg - ENRICHMENT OF PRECAMBRIAN GLAUCONITE OWE TO HYDROTHERMAL INPUT?" in National Conference On "Current Understanding from the Indian Sedimentary basins and Road Ahead". 38th IAS Convention.

- **Projects & Trainings:**

- **Extra Academic activity:**

- **Language:**

- **Software Skills:**

6. Chakraborty N., Barman L., Mandal A., Ghosh S., **Mondal I.**, 2022.Tidal(?) influence recorded within Gondwana Fluvials: Triassic Panchet Formation, Raniganj Basin (Damodar Valley), India. "Current Understanding from the Indian Sedimentary basins and Road Ahead". 38th IAS Convention.

➤ One-Week Training Program on "Frontiers of Earth Science" 12 -18 July, 2022 Organized by Department of Geological Sciences, Jadavpur University, Kolkata-700 032 under Synergistic Training Program Utilizing the Scientific & Technological Infrastructure (STUTI) programme of Indian Institute of Technology (ISM) Dhanbad-826004; An initiative of Department of Science & Technology (DST), Govt. of India.

➤ Participated in UGC Sponsored 12th Faculty Induction Programme (Guru Dakshta), organized by HRDC, Jadavpur University from 13.02.2023-16.03.2023.

- Participated as Joint Convener in a National Seminar (Virtual Mode) on "Modern Trends in Earth Sciences, (20th -21st November'21) organized by Kabi Jagadram Roy Government General Degree College, Mejia, West Bengal.

- Participated as Joint Convener in a National Seminar (Virtual Mode) on "Fundamentals of Planetary science: Methods and Scopes" held on June 3, 2022. organized by Kabi Jagadram Roy Government General Degree College, Mejia, West Bengal.

- Participated as organizing secretary in A one day Field cum Workshop on "Study of Modern Sediments In Damodar River Basin" on 13th March 2023.

- Participated as organizing secretary in Seminar on "Career guidance for students in National Examinations: An interactive session" on 13th March 2023.

- Participated as organizing secretary in One-day Seminar on "Clay minerals and their applications in Earth Sciences" on 14th March 2023.

➤ **Language:** Bengali, English & Hindi

➤ **Computer literacy:**

- MS office (word, excel & power point)
- Basic idea about C programming language
- Corel Draw

FIELD EXPERIENCE:

- **MAITHAN, WEST BENGAL:** General mapping and plotting, basic techniques of field work such as taking back and front bearing, measuring the attitude of a surface using of a surface using clinometers compus, primarily concept about metamorphic and sedimentary rock. visiting an opencast and underground mine at Ramnagar.
- **JABBALPUR, MADHYA PRADESH:** Litho-contact facies and mapping, isograd mapping and zonal mapping and general metamorphic rock study in and around Bheraghat, Jabbalpur, Madhyapradesh.
- **CHANDIPUR, ORISSA:** Extensive palaeontological and modern sedimentary rock study, visit to an ancient sedimentary unit at Lulung, Baripada.
- **GHATSHILA, JHARKHAND:** Structural plane paper mapping, three generation deformation observed in the exposure, stereograph plotting of three generation fold axis, fault plane, pi-pole plotting in and around Ghatsila, Galudih, and Tentuldanga.
- **JODA, ORISSA:** Visiting the Iron, manganese mines, chemical laborotary of TATA STEEL, Ore processing laborotary of TATA STEEL.
- **DARJEELING, WEST BENGAL:** Facies and petrography for recognition of Lower Siwalik Palaeogeography.
- **MAIHAR, MADHYAPRADESH:** Observation of sedimentary rocks and facies succession of Vindhyan basin, along with Kaimur and Rewa Sandstone, Bhandar limestone, study of parasequences in Vindhyan sediments.
- **GONDWANA, RANIGANJ BASIN:** Observation of Sedimentary rocks, facies association and fossil assemblage (both plant and animal) within the rocks Gondwana Supergroup, Raniganj Basin in and around Bankura, Purulia and Bardhaman District of West Bengal, India.

CERTIFICATION COURSES

- Completed Certification Course on Infoedge (computer course) from NIIT, Hazra, Kolkata.
- Completed Certification Course on "Application of geospatial technology" from WEBEL OPSIS PVT. LTD.

MACHINE HANDLING

- EM-EDS (carl zeiss)

Indrani Mondal.

Date: 02.12.2024

Signature