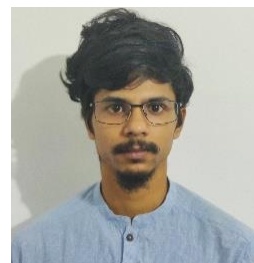


SABYASACHI MANDAL

Scientist-B; Birbal Sahni Institute of Palaeosciences; 53 University Road;
Lucknow-226007; India



sabyajugeo@gmail.com / Sabyasachi.mandal@bsip.res.in



<https://scholar.google.co.in/citations?hl=en&user=ldOoPN0AAAAJ>



<https://www.mendeley.com/authors/57214870559/>

Research Interest

Sedimentology-Sequence stratigraphy of Phanerozoic and Proterozoic basin; Low Temperature geochemistry; Paleoredox-Paleoclimate-Paleoenvironment

Ongoing Research

- ❖ Sedimentological & geochemical evolution of Jurassic succession in Tethy (Spiti Himalya)
- ❖ Sedimentological & geochemical aspect of infratrappean Lameta succession: Paleoclimate-Paleoenvironmental signal of dinosaurs grazing land
- ❖ Sedimentological and geochemical aspect in parts of Vindhyan basin with clay mineral genesis

Education

2016 to 2022

- Ph.D in Science
 - *University: Jadavpur University*
 - *Thesis title: Facets of Proterozoic Sedimentation against the backdrop of a carbonate-siliciclastic transition: examples from parts of the Vindhyan Supergroup, Central India*
 - *Supervisor: Prof. Subir Sarkar and Prof. Pulak Sengupta*

2014-2016

- Master of Science (M.Sc) in Applied Geology
 - *University: Jadavpur University*

2011-2014

- Bachelor of Science (B.Sc) in Geological Sciences
 - *University: Jadavpur University*

Research Publications

- 1) Choudhuri, A., El Albani, A., Mandal, S., Sarkar, S., 2023. Biotic vs abiotic origin of unusual features from Mesoproterozoic of Vindhyan Supergroup, India. *Annales de Paléontologie*, 109(3),1-12, 10.1016/j.annpal.2023.102629.
- 2) Choudhuri, A., Mandal, S., Bumby, A., Pillai, S., 2023. Glacial sedimentation in Northern Gondwana: insights from the Talchir formation, Manendragarh, India. *Geological Magazine* 160(6),10.1017/S0016756823000353
- 3) Mandal, S., Roy Choudhury, T., Das, A., Sarkar, S., Banerjee, S., 2022. Shallow marine glauconitization during the Proterozoic in response to intrabasinal tectonics: A study from the Proterozoic Lower Bhandar Sandstone, Central India. *Precambrian Research* 372. <https://doi.org/10.1016/j.precamres.2022.106596>.
- 4) Mandal, S., Banerjee, S., Sarkar, S., Mondal, I., Roy Choudhury, T., 2020. Origin and sequence stratigraphic implications of high-alumina glauconite within the Lower Quartzite, Vindhyan Supergroup. *Marine and Petroleum Geology*. 112(104040): <https://doi.org/10.1016/j.marpetgeo.2019.104040>.
- 5) 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. *J Earth Syst Sci*. 128 (222): <https://doi.org/10.1007/s12040-019-1250-2>.
- 6) Sarkar, S., Choudhuri, A., Mandal, S., Bose, P.K., 2019. Flat pebbles and their edge-wise fabric in relation to 2-D microbial mat. *Geological Journal*. 54:2566-2587.

Research materials and methodology

Materials	➤ Sandstone, Shale, Carbonate, Glauconite
Methodology	➤ Fieldwork, Thin-section study, Major-minor-trace element concentration, EPMA point analysis, Redox-sensitive trace element (RSTE)

References

Available on Request.