

DR. SUMANTA MALLICK

Assistant Professor

M. Sc. (Geology), Ph. D. (Geology)

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» **Overview:**

During my childhood days I had the opportunity to watch the famous movie ‘Jurassic Park’ by Steven Spielberg. The film was based on recreation of de-extinct dinosaurs by a group of genetic scientists. My passion for the ancient organisms starts from there and ultimately led to carry out my master’s degree specialization, Ph. D. thesis in Palaeontology. Although I like all kinds of fossils but I am primarily an invertebrate palaeontologist. My research mainly focuses on biotic interactions among marine molluscs. However, I am also interested in documenting palaeobiogeographic distribution of organisms and evolution. Currently, I am engaged in teaching undergraduate Geology students of Triveni Devi Bhalotia College, Raniganj, West Bengal, India.

» **Date of appointment to the present job:**

19-05-2014

» **Other Academic/ Administrative post:**

- Member of UG BOS, Assistant Teachers’ Council Secretary

» **Academic background:**

- B. Sc. (Geology Hons.), Durgapur Government College, The University of Burdwan, 2007
- M. Sc. (Applied Geology), Jadavpur University, Kolkata, 2009
- Ph. D. (Geology) Jadavpur University, Kolkata, 2018

» **Information about Ph. D.:**

- **Date of Award:** 10/07/2018
- **Topic of Ph. D.:** *Predator – Prey interactions across the K – T Boundary mass extinction in Rajahmundry, Andhra Pradesh, India.*

» **Publications in Journals:**

1. Mallick, S. and Mahato, S. 2021. Influence of gastropod shell characteristics on shell occupancy of hermit crabs, a casestudy from the coastal areas of Odisha, India. *Indian Journal of Geosciences*, Volume 75 (2), 137 – 146.
2. Mondal, S., Maitra, A., Bose, K., Goswami, P., Bardhan, S., and Mallick, S. 2021. Substrate-controlled naticid gastropod drilling predation on recent barnacles from Chandipur, India and its Palaeontological implications. *Historical Biology*, Volume 33 (7), 1029 – 1042.
3. Das, S.S., Saha, S., Bardhan, S., Mallick, S., and Allmon, W. D. 2018. The oldest turrnelline gastropods: from the Oxfordian (Upper Jurassic) of Kutch, India. *Journal of Paleontology*, Volume 92 (3), 373 – 387.
4. Mallick, S., Bardhan, S., Paul, S., Goswami, P., and Das, S.S. 2017. Record of naticid predation on scaphopods (Phylum: Mollusca) from the latest Maastrichtian bed of Rajahmundry, India. *Ichnos*, Volume 24 (1), 37 – 50.
5. Mondal, S., Bardhan, S., Mallick, S., and Roy, A. 2014. Repair scars on *Macra violacea* from the western coast of India: a new classification and a model for describing shell breakage on bivalves. *Palaeontologia Electronica*. 17.3.45A: 1-13.
6. Mallick, S., Bardhan, S., Das, S.S., Paul, S., and Goswami, P. 2014. Naticid drilling predation on gastropod assemblages across the K-T boundary in Rajahmundry, India: New evidence

for escalation hypothesis. *Palaeogeography Palaeoclimatology Palaeoecology*, Volume 411, 216 – 228.

7. Bardhan, S., Mallick, S. and Das, S.S., 2014. Palaeobiogeographic constraints on drilling gastropod predation: a case study from the Miocene Khari Nadi Formation in Kutch, Gujarat. *Journal of the Palaeontological Society of India*. Special publication 5, 205 – 213.
8. Mallick, S., Bardhan, S., Paul, S., Mukherjee, S., and Das, S.S., 2013. Intense naticid drilling predation on turritelline gastropods from the K T boundary at Rajahmundry, India. *Palaios*, Volume 28 (9/10), 683 – 696.
9. Roy, A., Bardhan, S., Das, S., Mondal, S., and Mallick, S. 2012. Systematic revision and Palaeobiogeography of *Perisphinctes indogermanus* (Ammonoidea) from the Oxfordian of Kutch, India: Stratigraphic and Evolutionary Implications. *Palaeoworld*, Volume 21 (3–4), 167 – 192.
10. Bardhan, S., Dutta, R., Chanda, P., and Mallick, S., 2012. Systematic revision and sexual dimorphism in *Choffatia* (Ammonoidea: Perisphinctoidea) from the Callovian of Kutch, India. *Palaeoworld*, Volume 21 (1), 29 – 49.
11. Bardhan, S., Chattopadhyay, D., Mondal, S., Das, S., Mallick, S., Roy, A., and Chanda, P. 2012. Record of intense predatory drilling from Upper Jurassic bivalves of Kutch, India: Implications for the history of biotic interaction. *Palaeogeography Palaeoclimatology Palaeoecology*, Volume 317–318, 153 – 161.
12. Bardhan, S., Ghosh, T., Mondal, S., Roy, A., and Mallick, S. 2011. The Holocene Sea level Changes as evidenced from Palaeontological proxy data: a case study from *Glauconome sculpta* (Bivalvia) along the eastern coast of India. *Palaeoworld*, Volume 20, 92 – 97.
13. Mondal, S., Das, S., Mallick, S., and Adhikary, D. 2009. Miocene shark teeth assemblages and ancillary fish taxa from Baripada, Orissa: Taxonomic revision and Palaeobiogeographic overview. *Journal of the Palaeontological Society of India*, Volume 54 (2), 135 – 152.

» **Books and Chapters:**

• **Book Chapters:**

1. Mallick S., (2018). Mass Extinction, climate change and the present-day crisis. Ghoshal, A. (Ed.), *The Climate on the Edge-A Collection of Evidences, Impacts and Trends* (pp. 65-66). Publisher – Tristop Prokashani, Durgapur-16.

» **Seminars, Conferences, Webinars and Workshops attended:**

- Seminars/ Conferences / Workshops: 09

» **Life Membership:**

- Life Member of the “The Palaeontological Society of India”.

» **Professional Courses:**

- Orientation Programme/FDP/FIP: 01
- Refresher Course: 02
- Short term Course: 00