# Abhijit Mazumder

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## EDUCATION

***Ph. D., Marine Sciences*** *August, 2005*
Goa University, India
*Doctoral dissertation*: "*Paleoclimatic Reconstruction through the Study of Foraminifera in Marine Sediments off Central West Coast of India*"
*Thesis advisors:* **Dr.Rajiv Nigam**, Scientist G, National Institute of Oceanography, Dona Paula, Goa, India.

***M.Sc., Geology*** *February 1999*
Percentage acquired: **65.1%**
University of Calcutta, India
*Master's thesis:* "*Sedimentation of Gondwana Rocks in and around Kudwe, North Karanpura Coal Field, District Hazaribag, Bihar*"
*Thesis advisors:* **Dr. Tapan K. Ghosh**, Reader, University of Calcutta, Calcutta, India.

***B.Sc., Geology (Hons.); Minors - Mathematics, Chemistry*** *August 1996*
Percentage acquired: **64.0%**
Presidency College, University of Calcutta, India

***Higher Secondary, Pure Sciences*** *July 1993*
Percentage acquired: **76.4%**
West Bengal Council of Higher Secondary Education, West Bengal

***Secondary, General*** *July 1991*
Percentage acquired: **77.0%**
West Bengal Board of Secondary Education, West Bengal

## FOREIGN VISIT

- Invited to Netherlands Institute of Ecology (NIOO), Yerseke, Netherlands as a scientist during June 14 to June 27, 2004 for discussing and preparing of a collaborative project Oxygen Minimum Benthic Ecological Functioning between India and The Netherlands.

## PUBLICATIONS (10 BEST)

1. Rajiv Nigam, Abhijit Mazumder and Rajeev Saraswat (2004). *Ammolagena clavata* (Jones and Parker) 1860, An Agglutinated Benthic Foraminiferal Species – First Report from the Indian Ocean Region. *Journal of Foraminifera Research*, vol.34, no.1, pp.74-78.
2. Rajiv Nigam, Abhijit Mazumder, Pravin J. Henriques and Rajeev Saraswat (2007). Benthic foraminifera as proxy for Oxygen-depleted conditions off central west coast of India. Journal of the Geological Society of India (IF 0.355/2008), vol.70, pp.1047-1054.
3. Neloy Khare, Pawan Govil and Abhijit Mazumder (2009). Latitudinal trends in morphological characteristics of *Neogloboquadrina pachyderma* (Ehrenberg) along a north-south transect in south western Indian Ocean. *Geo-Marine Letters*, vol.29, pp.61-69.
4. A. Mazumder, R. Nigam & P.J. Henriques (2012) Deterioration of Early Holocene coral reef due to sea level rise along west coast of India: Benthic foraminiferal testimony. *Geoscience Frontiers*, vol. 3, no. 5, pp. 697-705.
5. A. Mazumder, P. Govil, R. Ravindra & N. Khare (2013). Indication of colder condition within Holocene period in a freshwater lake in Vestfold Hills area, East Antarctica region. *Geosciences Journal*, vol. 17, no. 2, pp. 235-239.
6. A. Mazumder, P. Govil, S. Sharma, R. Ravindra, N. Khare & S.K. Chaturvedi (2013). A testimony of detachment of an inland lake from marine influence during the mid-Holocene in the Vestfold Hills region, East Antarctica. *Limnological Review*, vol. 13, no. 4, pp. 209-214.

7. A. Mazumder & R. Nigam (2014). Bathymetric preference of four major genera of rectilinear benthic foraminifera within oxygen minimum zone in Arabian Sea off central west coast of India. Journal of Earth System Science, vol. 123, no. 3, pp. 633-639.
8. A. Mazumder, P. Govil, R. Kar, N.M. Gayathri, Raghuram (2017). Palaeoenvironments of a proglacial lake in Schirmacher Oasis, East Antarctica: Insights from quartz grain microtextures. *Polish Polar Research*, Vol. 38, no. 1, pp. 1-19.
9. Ratan Kar, Abhijit Mazumder, Kriti Mishra, S.K. Patil, Rasik Ravindra, P.S. Ranhotra, Pawan Govil, Ruchika Bajpai, Kajal Singh (2018). Climatic history of Ny-Alesund region, Svalbard, over the last 19,000 yr: Insights from quartz grain microtexture and magnetic susceptibility. *Polar Science*, vol. 18, pp. 189-196.
10. Abhijit Mazumder and Rajiv Nigam (2021). A Spatial Ecological Study Based on Benthic Foraminifera off Central West Coast of India: An Approach through Cluster Analysis with Special Reference to Oxygen Minimum Zone. Thalassas: An International Journal of Marine Sciences, vol. 37 (no. 1), pp. 215-227.

## STUDENT GUIDANCE

1. P.S. Vijay Kumar (2008). Sedimentary analysis of glacial samples near Maitri station, Schirmacher Oasis, Antarctica. Int. M.Sc., Indian Institute of Technology, Kharagpur. **Co-supervisor.**
2. S.V. Nagendra Bharadwaz (2008). Sedimentary analysis of Antarctic lake core sediments, Larsemann Hills. M.Sc., Indian Institute of Technology, Kharagpur. **Co-supervisor.**
3. Shalini Sharma (2009). Study of diatoms and quartz grains from fresh water lake core sediments, Larsemann Hill, Antarctica, and their paleoclimatic implications. M.Sc. (Tech.), Banaras Hindu University, Banaras. **Supervisor.**
4. Sandeep Kumar (2009). Paleoclimatic studies of two lakes sediment cores from Larsemann Hill, Antarctic based on geochemical proxies. M.Sc. (Tech.), Banaras Hindu University, Banaras. **Co-supervisor.**
5. Emmanuel Barreto (2010). Study of core sediment samples from Antarctica Lake (***B.Sc.Training***). Fergusson College, Pune. **Supervisor.**
6. Shubham Singh (2012). Integrated study of calcareous algae and benthic foraminifera from Palaeogene sequence of Assam shelf (***Summer Internship Training***). B.Tech., University of Petroleum and Energy Studies, Dehradun. **Supervisor** (Jointly with Dr.A.K. Ghosh).
7. Surabhi Ramachandran Pillai (2013). Study of pollen and diatom from polar sediments: A palaeoclimatic perspective (***M.Sc. Dissertation***). Cochin University of Science and Technology, Cochin. **Co-supervisor.**
8. Gayathri N.M. (2014). Sedimentological and micropalaeontological studies of two lake sediment cores from Schirmacher Oasis and Larseman Hills, East Antarctic (***M.Sc. Dissertation***). Cochin University of Science and Technology, Cochin. **Supervisor.**
9. Saumya Saini (2018). Reconstructing limnology of Vaduthala core, Vembanad wetland, Kerala, India using diatoms (***Summer Internship Training***). B.Sc., University of Lucknow, Lucknow, **Supervisor.**
10. Nidhi Sharma (2022). Internship Report on Foraminiferal Analysis (***M.Sc. Internship***). ONGC Center of Advanced Study, University of Lucknow, Lucknow, **Supervisor.**
11. Nidhi Sharma (2022). Palaeoceanographic reconstruction from eastern equatorial Indian Ocean: Evidence from planktonic foraminiferal record (***M.Sc. Dissertation***). ONGC Center of Advanced Study, University of Lucknow, Lucknow, **Supervisor.**
12. Amulya Saxena (2022). Phytodiversity and climate fluctuation in and around wildlife sanctuaries of Assam since last Holocene: A geological & palynological aspect (***Ph.D. Thesis***). University of Lucknow, Lucknow. **Co-supervisor.**

## MEMBERSHIPS/FELLOWSHIPS

1. **Paleontological Society of India**, Lucknow – Life Member since 2003
2. **Indian Geophysical Union**, Hyderabad – Life Member since 2003
3. **Indian Science Congress Association**, Kolkata – Life Member since 2003
4. **Palaeobotanical Society of India**, Lucknow – Life Member since 2013
5. **Gondwana Geological Society**, Nagpur – Life Member since 2015

## PROJECT

1. **Macro and micro-phytodiversity and behavioral pattern of pollen deposition in and around endangered wetlands of Assam: a palaeoecological and conservational perspective** [Extramural Project, Department of Science and Technology, New Delhi from March 2016 to March 2019].

## AWARD

1. **ISCA Young Scientist Award, 2004** by Indian Science Congress Association at 91st Indian Science Congress, Chandigarh, India.