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Senior Research Fellow

Polar micropaleontology and past Climate (Polar Science Division)

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AREA OF RESEARCH:

- Low Temperature Isotope system
- Surface processes in Antarctica
- Dissolved trace metal and Silica biogeochemistry in Southern Ocean

ACADEMIC PROFILE:

- 2014-2016 M.Sc. (Applied Geology), Aligarh Muslim University Aligarh.
- 2011-2014 B.Sc. Geology (Hons.) Aligarh Muslim University, Aligarh.

PROFESSIONAL CAREER:

- August 2016-August 2018: Junior Research Fellow, NCPOR, Goa.
- August 2018-Present: Senior Research Fellow, NCPOR, Goa.

ACADEMIC DISTINCTIONS:

- Qualified GATE-2016 with All India Rank-273.
- Qualified UGC-JRF-2015 with All India Rank-74.

WORKSHOP AND CONFERENCES:

- Participated and presented a talk on the topic of "Sr and $^{87}Sr/^{86}Sr$ in Antarctic lakes: Chemical weathering in Antarctica" at Polar-2018, Davos, Switzerland in the year 2018.
- Attended a workshop on the "Quantitative Reconstruction and Numerical Methods for Analysis of Past Climate Variability Using Diatoms" Jointly conducted by NCPOR, Goa and NPI, Norway in the year 2017.
- Attended "National Conference for Polar Sciences" (NCPS-2017) at NCPOR, Goa, India.

EXPEDITIONS AND FIELD WORK

- Participated in the Indian scientific expedition to Antarctica during 2016-17 and spent 110 days in Southern Ocean and Antarctica for biogeochemical sampling.
- Participated in 30 days field work to Aravalli (Rajasthan), and Lower Himalaya (Uttarakhand) during M.Sc. course.

PUBLICATIONS

Lone, A.M., Shah R.A., Dey, R., Ghadi, p., **Nuruzzama, M.**, Rehman, A., 2018, Report on Quantitaive reconstruction and numerical methods for Analysis of Past Climate Variability using Diatoms, JOUR. GEOL. SOC. INDIA, 92. (Workshop Report)

Shevnina, E., Kourzeneva, E. and **Nuruzzama, M.** (2019). Water Balance and Thermal Regime of Lakes in Antarctic Oases. In: M. Kanao, ed., *Antarctica: A Key to climate change*, Intech open. (Book Chapter)