

CURRICULUM VITAE

Dr Nuzhat Fatima

PhD Geology (Remote Sensing)

Department Of Geology,

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Education

1. Full Course Name: Ph.D.

Ph.D. Topic: **“Land use/Land cover Dynamics in South-East Rajasthan Using Temporal Indian Remote Sensing (IRS) Data”.**

Course Provider: Aligarh Muslim University, Aligarh

2. Full Course Name: M.sc. Applied Geology

Percentage of marks: 71.79%

Course Provider: Aligarh Muslim University, Aligarh, India.

Major Courses: Geochemistry, Environmental Geology, Sedimentology, Hydrogeology, Fuel Geology, Paleobiology and Stratigraphy, Remote Sensing in Geology and Geomorphology, Igneous and Metamorphic Petrology, Structural Geology and Tectonics, Ore geology and Mining Geology, Mineralogy inst. Analytical Techniques.

Masters Project: “Ground water management and status in University campus of Aligarh Muslim University, Aligarh”.

Fieldwork:

- Geological field work at Jhalawar, Rajasthan.
- Geological field work in some parts of Dehradun and Masoori, Uttrakhand.

3. Full Course Name: B.sc (Hons.) Geology

Percentage of marks: 66%

Course Provider: Aligarh Muslim University, Aligarh, India

Major Courses: Urdu, Theology, English, Structural Geology, Igneous Petrology and Dynamics of Earth, Natural Environment, Energy resource and Mineral

Exploration, Sedimentology, Metamorphic Petrology, Applied Geology, Paleobiology and Stratigraphy, Earth processes and resources, Geomorphology, Climatology and Oceanography, Geography of Resources, Geography of Resource and Utilisation, Inorganic chemistry, Organic chemistry, Physical Chemistry.

Fieldwork:

- Geological field work in Rasoolpur, Agra, Uttar Pradesh
- Geological field work in Chittorgarh, Rajasthan.

4. Course Name: Intermediate Pre Bachelors

Course Provider: Jammu Kashmir State Board of Education

Percentage of marks: 59.2%

Major Courses: Physics, Biology, Chemistry, Environmental Science, English

5. Full Course Name: Metric Secondary School

Percentage of marks: 72%

Course Provider: Jammu Kashmir State Board of Education.

Major Courses: Mathematics, Science, English, Urdu, Social Science

Computer Softwares

- Computer fundamentals & MS-Office.
- Computer Software: Arc GIS, Q GIS, Global Mapper, Geomatica, ERDAS, Terrset, Map maker

Papers published in various journals:

1. Zahid, G. G., Fatima, N., Sinha, A., Hussain, A., & Ahmad, F. (2024). Anomalous behaviour of Indian summer monsoon rainfall due to the change in some of the monsoon semi-permanent features in surplus and deficit years. *International Journal of Hydrology Science and Technology*, 18(2), 170-185.
2. Hussain, A., Hassan, M., Fatima, N., Zahid, G. G. (2023). Marine Proxies of paleomonsoon: Emphasis on Indian system. *Journal of Survey in Fisheries Sciences*, 10(2), 514-525.
3. Hussain, A., Fatima, N., Hassan, M., Khan, F, M. (2023). Characterization of planktonic Foraminifera in the Cretaceous, Phosphatic nodules from district Tiruchirappalli, Tamil Nadu, India: Implications for the biological Approach. *Uttar Pradesh Journal of Zoology*, 44 (20), 120-129.
4. Hussain, A., Singh, N., Ahmad, F., Ahsan, N., Ahmad, A., Fatima, N. (2023). Foraminifera: A proxy for ecology, climate change and its associated hydro-environment. *Uttar Pradesh Journal of Zoology*, 44 (23), 197-212.
5. Fatima, N., & Javed, A. (2021). Assessment of land use land cover change detection using geospatial techniques in southeast Rajasthan. *Journal of Geoscience and Environment Protection*, 9(12), 299-319.

Papers presented in Conferences/seminars:

1. Earth Science Week 2022, “Earth science for sustainable world” held on 9th to 15th October organized by Department of Geology, Government Post Graduate College Rajouri, Jammu, presented the paper titled on “ **Use of Remote sensing and GIS GPS in natural resource management**”.
2. International seminar on Recent contribution in science by Indian Scholars” organized by Aligarh college of Education, College Auditorium, Aligarh, Uttar Pradesh, India held on 27th & 28th February, 2021 presented research paper on “**Factors affecting land use land cover in District Jhalawar, Rajasthan using geospatial techniques**”.
3. International conference on Global water crises: Agriculture and food security in the era of climate change held on 1-3 December, 2018 organized by Department of Geography, Aligarh Muslim University, Aligarh, presented paper on “ **Evaluating change detection in land use and land cover in South East Rajasthan: Using remote sensing and GIS techniques**”.
4. International conference on remote sensing and GIS for applications on geosciences held on 12th August 2017 at the Department of Geology, Aligarh Muslim University, Aligarh, presented the paper titled on “**Mining impact on water resources of Jhalawar district, Rajasthan using remote sensing techniques**”.
5. National Conference on Recent advances and challenges in Geochemistry, Environmental and Sedimentary Geology in Department of Geology ,Aligarh Muslim University, Aligarh, 2016.
6. National conference on “**Women Entrepreneurship Development Programme**” organized by Career Planning Centre AMU, Aligarh on 2nd December 2010.
7. Lecture delivered in the seminar cum interactive session on “**Academic Publications and citations: The changing Paradigm**” organized by Internal quality assurance cell and Maulana Azad Library, AMU on 22nd March, 2017 at Aligarh Muslim University, Aligarh.
8. Workshop on “**Landslide Susceptible Area Mapping Using Frequency Ratio Modelling**” held on August 11, 2017, Department of Geology, Aligarh Muslim University, Aligarh.
9. Seven days GIAN work shop on “**Rural development challenges in transforming global and regional economics**” with statement of grade and marks (70%) organized by department of geography Aligarh Muslim University, Aligarh from 29th January to 5th February, 2018.

10. National workshop on “**Research Methodology**” organized by Dr. B.R. Ambedkar Hall Aligarh Muslim University, Aligarh from 5th February to 11th February, 2018.
11. International seminar on “**Managing Research with Effective Outcome**” organized by Department of Computer Engineering, Aligarh Muslim University, Aligarh on August 06, 2018.
12. Workshop on “ **National information system for climate and environment studies (NICES) and its activities**” organized by National Remote Sensing Centre (NRSC), ISRO Department of Space, Government of India, Hyderabad and Department of Geography, AMU, conducted at the Department of Geography, Aligarh Muslim University, Aligarh on 29th April, 2019.