

Research Fellow (Geochemistry Analysis / Climate Change)

Nanyang Technological University

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Posted Apr. 21, 2025, set to expire Aug. 21, 2025

Job Title	Research Fellow (Geochemistry Analysis / Climate Change)
Department	Earth Observatory of Singapore
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Apr. 21, 2025
Application Deadline	Open untill filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Geology - Geochemistry
Job Website	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Geochemistry-Analysis---Climate-Change-_R00020459
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EOS is a University Research Institute at NTU with a mission to conduct fundamental research on earthquakes, volcanic eruptions, tsunamis, and climate change in and around Southeast Asia, towards safer and more sustainable societies.

Prof. Wang Xianfeng's isotope geochemistry research group is seeking a Research Fellow. This position is part of a Singapore MOE funded research project hosted by EOS. The group is studying the chemical processes that occur in the Earth's environment and how they impact Earth's climate system, natural resources, ecosystems, and human societies.

Prof. Wang's research group aims to contribute to our understanding of the Earth's natural systems by studying various topics, including:

- The impact of climate change and human activities on the environment, as well as on human health.
- The geochemical and isotopic signatures of geological and environmental processes.
- The development of new analytical methods for studying environmental samples.

For more details, please view <http://www.earthobservatory.sg>.

The Research Fellow position will help advance research in geochemical analysis, climate and environmental changes, climate-driven health challenges, and statistical methods. This research theme can help the understanding of interactions between climate changes, natural hazards, human impacts, human and ecosystem health, and contribute to the discussion and implementation of sustainable management of environment. The research will be shared through peer reviewed publications and conference presentations that will highlight NTU's contributions to sustainable energy.

Key Responsibilities

- Conduct extensive fieldwork to collect geological and environmental samples.
- Develop high-precision geochemical techniques to analyze geological and environmental

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samples.

- Operate and maintain the state-of-the-art wet chemistry clean room and high-resolution mass spectrometers.
- Participate in mentoring RAs and students at EOS/ASE.
- Work with international collaborators in both fields and labs.
- Actively participate in various education and outreach activities.
- Publish scientific outcomes of the research in international peer-reviewed journals.

Job Requirements

- PhD degree with a major in geochemistry or related fields in geology or climate science.
- Candidate should be familiar with environmental geochemistry, climatology and atmospheric chemistry.
- Extensive field experience, particularly in remote environments and have published scientific papers in high-quality research journals.
- Strong experience working in a wet chemistry clean lab for trace metal separation
- Able to independently operate and maintain mass spectrometers, including MC-ICP-MS and HR-ICP-MS.
- As the position requires stakeholder engagement in English, candidate must have excellent

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written and oral communication skills in English.

- Enthusiasm in research, good spirit in teamwork and collaboration.

EOS seeks a diverse and inclusive workforce and is committed to equality of opportunity. We welcome applications from all and recruit based on merit, regardless of age, race, gender, religion, marital status and family responsibilities, or disability.

We regret to inform you that only shortlisted candidates will be notified.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Singapore