

Research Fellow (Membrane Technology &
Electrochemical Engineering)
Nanyang Technological University

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Posted Dec. 12, 2024, set to expire May 6, 2025

Job Title	Research Fellow (Membrane Technology & Electrochemical Engineering)
Department	School of Civil and Environmental Engineering
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Dec. 12, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Engineering - Other Ecological and Environmental Chemical/Petroleum
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Membrane-Technology---Electrochemical-Engineering-_R00019313
Apply By Email	
Job Description	

The School of Civil and Environmental Engineering (CEE) is a leading school for Sustainable Built Environment. The School plays an integral role in spearheading tertiary education, advancing research innovations and providing professional services in a number of key disciplines in Civil and Environmental Engineering and Maritime Studies fields, with the objective of contributing to the technological and economic advancement of Singapore and beyond. The School's mission in research is to achieve excellence by providing a conducive and intellectually stimulating environment to enable

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high quality work in strategic directions that are of significant impact to industry, science and technology.

For more details, please view [School of Civil and Environmental Engineering | NTU Singapore](#)

We are looking for a Research Fellow to conduct research on electrochemically assisted membrane technology at NTU.

Key Responsibilities:

- Conduct membrane related projects for desalination, water reuse, resource recovery, etc.
- Mentor junior PhD students, master students and undergraduate students for their research projects.
- Publish research data, prepare project progress report, assist in the preparation of grant proposal.

Job Requirements:

- PhD degree from a reputable university in chemical engineering, environmental engineering, mechanical engineering, etc.
- Relevant research experience on membrane technology and separation technologies.
- Relevant research experience on electrochemical process, electrode synthesis, etc.
- Relevant research experience on membrane module development.
- Relevant research experience in scaling up electrochemical water technology will be preferred.
- Relevant research experience in the fabrication/synthesis of RO/NF/FO/PRO/ion exchange

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membranes/organic solvent membranes/hydrophobic membranes, and/or organic chemical synthesis, and membrane/separation process development will be preferred.

- Self-motivated and able to work on your own and in a team.
- Good interpersonal skills.
- Good communication and writing in English - essential for data analysis and communication with stakeholders
- Strong responsibility for research.

We regret to inform 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