

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

Direct Link: <https://www.AcademicKeys.com/r?job=250328>

Downloaded On: Dec. 22, 2024 12:17am

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

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

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