

Research Fellow (Membrane Separation and Water Desalination Processes) Nanyang Technological University

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Job Title Research Fellow (Membrane Separation and Water

Desalination Processes)

Department Nanyang Environment and Water Research Institute

(NEWRI)

Institution Nanyang Technological University

Singapore, , Singapore

Date Posted Jul. 2, 2025

Application Deadline Open untill filled

Position Start Date Available Immediately

Job Categories Research Scientist/Associate

Academic Field(s) Chemistry - General

Job Website https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-

Main-Campus-Singapore/Research-Fellow--Membrane-Separation-and-Water-Desalination-

Processes-_R00021188

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Apply By Email

Job Description

Globally recognized as a leading research and technology organization, the Nanyang Environment and Water Research Institute (NEWRI) addresses national priorities through its diverse expertise in



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Biotechnology and Bioprocesses, Membrane Technology, Chemicals and Materials, Resource Recovery, and Modeling & Artificial Intelligence. By harnessing its cross-cutting, interdisciplinary, and transformative capabilities, NEWRI drives innovation in water circularity and sustainability, next-generation solid waste solutions, circular economy resource recovery, climate resilience and digitalization.

For more details, please view https://www.ntu.edu.sg/newri.

We are looking for a Research Fellow to conduct research on membrane and separation technology for desalination, resource recovery, and decarbonization at NTU.

Key Responsibilities:

- Conduct membrane and separation technology related projects for desalination, decarbonization, resource recovery etc.
- Experimental setup design and construction, experiment design and testing, process modelling, data processing and reporting, progress report preparation, etc.
- Journal paper publication.
- Assistance in research proposal preparation, etc.
- Assistance in mentoring junior students/researchers

Job Requirements:



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- PhD degree from a reputable university in chemical engineering, environmental engineering, mechanical engineering, etc.
- Excellent journal paper publication record.
- Proficient oral presentation, report writing and multitasking skills.
- Competent in using membrane technology and separation technologies.
- Relevant research experience on electrochemical processes, electrode synthesis and in scaling up electrochemical water technology will be preferred.
- Relevant research experience in the fabrication/synthesis of RO/NF/ion exchange membranes (IEMs)/organic solvent 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 written and oral communication skills
- Strong responsibility for research.

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



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Contact Information

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

Contact

Singapore