

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

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Posted Jul. 2, 2025, set to expire May 6, 2026

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
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Contact

Singapore