

Research Fellow (Membrane and Separation Technology)  
Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=258960>

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

<b>Job Title</b>	Research Fellow (Membrane and Separation Technology)
<b>Department</b>	Nanyang Environment and Water Research Institute (NEWRI)
<b>Institution</b>	Nanyang Technological University Singapore, , Singapore
<b>Date Posted</b>	Jul. 2, 2025
<b>Application Deadline</b>	Open untill filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Research Scientist/Associate
<b>Academic Field(s)</b>	Chemistry - General
<b>Job Website</b>	<a href="https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Membrane-and-Separation-Technology-_R00021187">https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Membrane-and-Separation-Technology-_R00021187</a>
<b>Apply Online Here</b>	<a href="https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Membrane-and-Separation-Technology-_R00021187">https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Fellow--Membrane-and-Separation-Technology-_R00021187</a>

**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 Biotechnology and Bioprocesses, Membrane Technology, Chemicals and Materials, Resource Recovery, and Modeling & Artificial Intelligence. By harnessing its cross-cutting, interdisciplinary, and

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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 independently 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