

Research Associate (Chemistry/ Chemical engineering)
Nanyang Technological University

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Posted Nov. 13, 2025, set to expire May 6, 2026

Job Title	Research Associate (Chemistry/ Chemical engineering)
Department	Energy Research Institute @ NTU (ERI@N)
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Nov. 13, 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-Associate--Chemistry--Chemical-engineering-_R00022590-1
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/Careers/job/NTU-Main-Campus-Singapore/Research-Associate--Chemistry--Chemical-engineering-_R00022590-1
Apply By Email	
Job Description	

Established in 2010, the Energy Research Institute @ NTU (ERI@N) is a pan-university research institute that focuses on systems-level research for tropical megacities. It performs translational research that covers the energy value chain from generation to innovative end-use solutions, motivated by industrialisation and deployment. ERI@N has multiple Interdisciplinary Research Programmes which focus on translational Research, Development & Deployment which focus on specific area of the

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energy value chain, and a number of Living labs and Testbeds which facilitate large scale technology deployment enabling validation and demonstration of real-world applications.

For more details, please view <https://www.ntu.edu.sg/erian>

We are looking for a Research Associate to work on biomass waste pretreatment. The role will focus on optimize current process and develop new process for pretreatment of biomass waste, as well as detailed characterization of raw biomass waste, product, byproducts etc.

Key Responsibilities:

- Characterization of raw biomass including major components and contaminations
- Optimization of current process to achieve high yield of product
- Development of new processes to achieve high yield of product
- Characterization of products and byproducts
- Develop process to remove byproducts and contamination
- Monthly reporting and meetings with ExxonMobil managers

Job Requirements:

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Master's degree in chemistry, chemical engineering or related field

- At least 2 years of relevant experiences / technical hands-on experience in biomass
- Familiarity with characterization of organic and inorganic materials
- Proficiency in performing hydrothermal reactions, and operating common chemical characterization tools
- Competent in reporting and communication
- Entry level candidates are welcome to apply
- Related publications are advantageous

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