

Research Fellow (Circular Economy)
Nanyang Technological University

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Posted Apr. 9, 2024, set to expire Apr. 1, 2025

Job Title	Research Fellow (Circular Economy)
Department	The Energy Research Institute @ NTU (ERI@N)
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Apr. 9, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Professional Staff
Academic Field(s)	Chemical/Petroleum
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Circular-Economy-_R00016727
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Circular-Economy-_R00016727
Apply By Email	
Job Description	

The Energy Research Institute @ NTU ([ERI@N](#)) invites applications for the position of Research Fellow.

Key Responsibilities:

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Setup rigorous protocols and characterize composition of silicon solar panels and their components

- Develop and execute experiments aimed at the extraction and recovery of metals from silicon solar panels
- Curating and managing experimental data, and assist in preparation of reports, presentations, technological disclosures and manuscripts
- Be in charge of laboratory equipment and maintenance
- Conduct trainings and mentoring of staff, interns and students when required
- Take up additional responsibilities by being part of laboratory safety and management team

Job Requirements:

- PhD in chemistry/engineering/material science or related fields is required.
- Familiarity with material characterization techniques such as X-ray diffraction, X-ray fluorescence, Inductively-coupled plasma optical emission spectroscopy would be advantageous.
- 1-2 years of working experience is preferable. Fresh graduates are also welcome.
- Industrial/lab experience in solar device design is preferred.
- Willingness to learn, with adaptability and flexibility to take on required/necessary tasks beyond

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the job description

- Strong communication and interpersonal skills and ability to work cohesively in a team whilst sharing resources
- Excellent organizational skills including attention to details
- Strong interest to learn about new technologies

We regret 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