

Research Fellow (Closed-Loop Advanced Manufacturing  
Process - c-LAMP)  
Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=251926>

Downloaded On: Feb. 23, 2025 10:26am

Posted Jan. 22, 2025, set to expire May 23, 2025

<b>Job Title</b>	Research Fellow (Closed-Loop Advanced Manufacturing Process - c-LAMP)
<b>Department</b>	Nanyang Environment and Water Research Institute
<b>Institution</b>	Nanyang Technological University Singapore, , Singapore
<b>Date Posted</b>	Jan. 22, 2025
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available Immediately
<b>Job Categories</b>	Professional Staff
<b>Academic Field(s)</b>	Ecological and Environmental Chemical/Petroleum Engineering - Other
<b>Job Website</b>	<a href="https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Closed-Loop-Advanced-Manufacturing-Process---c-LAMP-_R00019611">https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Closed-Loop-Advanced-Manufacturing-Process---c-LAMP-_R00019611</a>

**Apply By Email**

**Job Description**

Globally ranked among top research and technology organizations in the environment and water domain, the NTU's Nanyang Environment and Water Research Institute (NEWRI) ecosystem interacts across a multi- and inter- disciplinary platform of" Research – engineering – Development '(RED) activities in its approach to developing innovative solutions.

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We are looking for a Research Fellow to lead a project titled Closed-Loop Advanced Manufacturing Process (c-LAMP) under NTU. The role will focus on developing a modularized and energy-efficient treatment process, ie. electrochemical-biological hybrid process to treat secondary waste, ie. wastewater from swarf cleaning, with the purpose of effective water reuse, forming a circular pre-treatment loop for the manufacturing process.

**Key Responsibilities:**

- Profiling and understanding the type of incoming wastewater
- Tailoring the treatment system to water reuse requirements
- Modularizing treatment units for applications of different wastewater from different industries

**Job Requirements:**

- PhD degree in Environmental Engineering, Chemical Engineering or related field
- At least 1 year of relevant experiences in similar role / technical hands-on experience in Bioprocess and/or Electrochemical process
- Familiarity with reactor operation and process design
- Good written and oral communication skills
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Competent in building rapport and influence stakeholders at all levels, ability to work collaboratively in a fast-paced environment

- Possesses international experience, with a strong network of contacts in the region

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**

Nanyang Environment and Water Research Institute  
Nanyang Technological University  
Singapore