

Research Fellow (Mitigating Fire Threats for  
Reforestation)  
Nanyang Technological University

Direct Link: <https://www.AcademicKeys.com/r?job=238175>

Downloaded On: Jul. 17, 2024 6:43am

Posted Jun. 26, 2024, set to expire May 6, 2025

<b>Job Title</b>	Research Fellow (Mitigating Fire Threats for Reforestation)
<b>Department</b>	Earth Observatory of Singapore
<b>Institution</b>	Nanyang Technological University Singapore, , Singapore
<b>Date Posted</b>	Jun. 26, 2024
<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>	Natural Sciences Geography Environmental Sciences/Ecology/Forestry Sciences - General
<b>Job Website</b>	<a href="https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Mitigating-Fire-Threats-for-Reforestation-_R00017617">https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Research-Fellow--Mitigating-Fire-Threats-for-Reforestation-_R00017617</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

A Research Fellow position is currently available in the Earth Observatory of Singapore (EOS).

The Climate Transformation Programme (CTP) aims to develop, inspire and accelerate knowledge-based solutions and educate future leaders to establish the stable climate and environment necessary

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for resilient, just, and sustainable Southeast Asian societies.

CTP will generate knowledge and innovation across disciplines including climate and Earth science, ecology, materials science, artificial intelligence, humanities, social sciences and the arts, finance, health, and engineering. It will also translate state-of-the-art scientific results into real world solutions for Singapore, and it will transfer these solutions to Southeast Asia (SEA) and beyond.

As part of this programme, Cluster 3 Climate Mitigation, will assess the permanence and quantification of nature-based solutions for climate mitigation. More information on CTP can be found [here](#).

The Research Fellow will be based in Asian School of the Environment and will work collaboratively within a team and across clusters in CTP to develop research outputs and construct a model for carbon loss under various climate-induced threats. This is a three-year position. One of the threats associated with nature-based solutions and which affect the durability of these solutions, is wildfires. With the onset of climate change and anthropogenic degradation of ecosystems, fires are happening more frequently in tropical forests, especially over peatlands. The research fellow will apply theories and models from a disaster risk science and develop or improve on methodologies that have been used to quantify carbon loss from an ecosystem.

**Key Responsibilities:**

- Conduct independent research and produce research outputs published in international peer-reviewed journals
- Contribute to achieving deliverables in the project that includes developing a web-based platform for data visualization
- Supervise and mentor, when needed, research team that includes research assistant, PhD

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students and undergraduates

- Contribute to progress reports, project management and administration when needed

**Job Requirements:**

- PhD in the following disciplines Disaster Risk Science, Ecology, Environmental Science, Geography, Computational Science
- Skilled in data collection, analysis and interpretation
- Familiar with R, QGIS for data processing, analysis and visualization
- Good written and oral communication skills and produce research papers independently
- Preferably with experience with probabilistic wildfire hazard modelling

EOS seeks a diverse and inclusive workforce and is committed to equality of opportunity. We welcome applications from all and recruit on the basis of merit, regardless of age, race, gender, religion, marital status and family responsibilities, or disability.

Interested applicants are invited to submit a cover letter and full CV with contact details of three referees in one document. Enquiries about this position can be made to Assistant Professor Janice Ser Huay Lee ([janicelee@ntu.edu.sg](mailto:janicelee@ntu.edu.sg)). Please send a copy of your application to Assistant Professor Janice Ser Huay Lee. Evaluation of application starts immediately until the position is filled.

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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**

Earth Observatory of Singapore  
Nanyang Technological University  
Singapore