

# Sustainability Matters

## CAMPUS HAPPENINGS



### NTU Singapore in world's top 15 in QS World University Rankings

NTU Singapore is ranked 15<sup>th</sup> in this year's QS World University Rankings, largely due to improvements in sustainability, employment outcome, international research network, and employer reputation. NTU's improvement in the sustainability indicator demonstrates recognition of its ongoing commitment to sustainability efforts, as a campus with 8 Zero Energy Buildings and 100 per cent Green Mark Platinum certification for all eligible building projects. Additionally, NTU was ranked the world's best young university by Times Higher Education for the second consecutive year.

Click [HERE](#) for more details.



### NTU Campus Sustainability Grant Call 2024

Calling for applications! NTU Sustainability Office is launching the Campus Sustainability Grant Call 2024. This grant aims to test-bed innovative sustainability-related solutions that can be scaled across campus and potentially beyond. This grant call is open to full-time NTU faculty members. Selected projects will receive funding support of up to \$500,000 per project for a maximum duration of 12 months. Applications close on **31 July 2024, at 5pm.**

Click [HERE](#) for more details.

# Plastics Symposium 2024

🕒 22-23 July

📍 Singapore

## Topics

- Data, techno-economic analysis, life cycle assessment
- Physical, chemical, and biological processing
- Polymer and enzyme designs

## Plastics Symposium 2024

The Plastics Symposium 2024, organised by NTU's School of Chemistry, Chemical Engineering and Biotechnology ([CCEB](#)), will be held on 22-23 July 2024 at NTU@one-north. The event is a forum dedicated to the latest advancements and innovations in plastics research and will feature speakers from academia and industry covering the following topics:

- Polymer and enzyme designs
- Physical, chemical, and biological processing
- Data, techno-economic analysis, life-cycle assessment

For more information, visit the website to register for the event. See you at the Plastics Symposium 2024!

Visit the link to [submit abstract and register](#). Deadline for abstract submission: 1 July 2024.

Click [HERE](#) for more details.

## RESEARCH HIGHLIGHTS



### Scientists turn to AI and moths to assess health of ecosystems

A team of NTU Singapore scientists, led by Assoc Prof Eleanor Slade from the [Asian School of the Environment](#) (ASE), is identifying moth species found in Singapore with the help of artificial intelligence. They have set up remote monitoring stations around Singapore, including one on the NTU campus, that can identify photographed moths in real-time. The data will contribute to a larger study led by Britain's Centre for Ecology and Hydrology and The Alan Turing Institute, which aims to better understand moth populations in tropical regions.

Click [HERE](#) for more details.



### Cool paint made sustainable using recycled plastics

An NTU research team has successfully developed new methods to create 'cool paint' using recycled plastics. This sustainable paint helps to cool down surface temperatures and contributes to effective plastic waste management. The team developed two methods: the first method achieved a daytime temperature of 1.2°C below ambient and 3°C below ambient at night, while the second method nearly

matched the surrounding air temperature during the day and achieved a night temperature of 2.5°C below ambient. The cool paint developed using both methods outperforms commercially available cool paints, which typically cannot reduce surface temperatures below ambient.

Click [HERE](#) for more details.



### Diversity in farm landscapes helps wildlife, global study finds

A new global research study, led by researchers from NTU Singapore, shows that diverse agricultural landscapes support more wildlife, benefiting both sustainability and profitability. By growing various crops like vegetables and fruit trees together and incorporating semi-natural features like shrubs and wildflowers, farms can support more wildlife. This biodiversity can potentially improve crop yields, offering a practical conservation approach for farmers.

Click [HERE](#) for more details.

## OTHER EVENTS



### SG Eco Fund by Ministry of Sustainability and the Environment

**Submission Deadline:** Sprout category – All year round, Main category) – 1 May till 31 August

**Submission Details:** Click [HERE](#) for more details

Do you have a sustainability-related idea but need resources to kickstart your idea? Apply for the SG Eco Fund by the [Ministry of Sustainability and the Environment \(MSE\)](#), which supports community-driven projects by funding up to 80% of supported costs. The SG Eco Fund is open to individuals and Singapore-registered organisations.



### #CityinNature SG Video Challenge 2024: A Nature Odyssey: Exploration of Singapore's City in Nature

**Event Date:** 29 June- 31 July 2024

**Details:** Click [HERE](#) for more details

Celebrate Singapore's natural heritage through videography. Submit up to 3 videos according to the categories "Activities in Nature" or "Stories in Nature" by 31 July 2024. Open to all residing in Singapore. Top 7 entries stand to win cash prizes, including S\$1,000 for the Grand Winner.



## Go Green SG 2024

**Event Date:** 12 June–14 July 2024

**Details:** Click [HERE](#) for more details

Led by the Ministry of Sustainability and the Environment, Go Green SG (formerly Climate Action Week) is a nationwide movement promoting sustainability through events and activities organized by People, Public, and Private partners. This year's event will take place from 12 June to 14 July 2024. Join in for a variety of tours, workshops, and talks focused on sustainability!

## YOU CAN GO GREEN TOO!

### Singapore's Sustainability Journey



Click [HERE](#) to find about Singapore's various sustainability initiatives from 1972 till now.

### Carbon Footprint Calculator by SPGroup



Click [HERE](#) to track your carbon footprint and find out how to reduce it.

## STAY IN TOUCH WITH US



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