



CAMPUS HAPPENINGS



S\$50 million interdisciplinary Climate Transformation Programme

A new S\$50 million interdisciplinary climate research programme titled the Climate Transformation Programme (CTP), was launched by NTU Singapore. The new initiative was announced at the 15th Anniversary Celebration of [Earth Observatory of Singapore](#) (EOS) at NTU which was attended by the Minister for Sustainability and the Environment, Ms. Grace Fu. Hosted by EOS and funded by Singapore's Ministry of Education, the programme aims to foster knowledge-based solutions, and educate future leaders to create a stable climate and environment in Southeast Asia. This pioneering program will unite researchers from NTU, local autonomous universities, and global research centres, promoting collaboration and engagement with stakeholders for effective solutions.

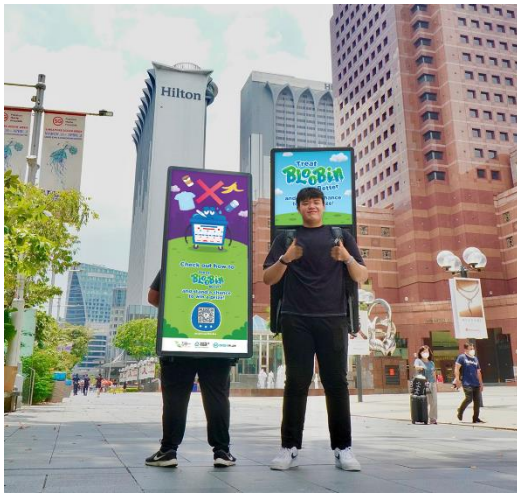
Click [HERE](#) for more details.



BCA Green Mark (GM) Platinum (Zero Energy) Certificate awarded for The Wave at NTU

On 15 Sep 2023, NTU Singapore received the BCA Green Mark (GM) Platinum (Zero Energy) Certificate for The Wave under the latest GM2021 In-Operation scheme. The certificate was presented by Minister of State, Ministry of Home Affairs and Ministry of National Development, Dr Muhammad Faishal Ibrahim at a gala dinner organised by the [Singapore Green Building Council](#) (SGBC). Mr Siew Hoong Kit (Chief Development & Facilities Management Officer) accepted the certificate on behalf of the university. In attendance to support this achievement were Prof Madhavi Srinivasan, Executive Director of the Sustainability Office & ERI@N, and dedicated staff members from the Office of Development & Facilities

Management (ODFM) who played a crucial role in securing the recognition.



NEA Recycle Right Campaign happening at NTU

Bloopin needs your help! Get hands on and participate in Bloopin's blind box challenge. Spot poster walkers on campus at **Northspine** on **10 Oct 2023**, from **11am to 2pm**. Stand a chance to win exclusive Bloopin merchandise when you correctly identify four non-recyclable items from the box! This initiative is by the National Environmental Agency (NEA), supported by the NTU Sustainability Office.

Click [HERE](#) for more details.

NANYANG TECHNOLOGICAL UNIVERSITY SINGAPORE Entrepreneurship Academy

2ND KUMAR SUSTAINABILITY & INNOVATION PRIZE

NTU Entrepreneurship Academy is proud to present the highly anticipated 2nd edition of the Kumar Sustainability & Innovation Prize (KSIP). Following its successful launch in 2023, this competition strives to foster entrepreneurship and innovation among students from Institutes of Higher Learning.

Under the theme "Digital Innovations for a Sustainable Future", KSIP aims to inspire participants to develop most promising and impactful solutions to address sustainability issues or introduce innovations that benefit people and society, not only in Singapore but also on a global scale.

First Prize \$50,000
Two Runners-up \$25,000 each

Registration opens: **18 September 2023**
Demo Day and Award Ceremony: **14 March 2024**

Scan here for details

2nd Kumar Sustainability & Innovation Prize

[NTU Entrepreneurship Academy](#) is proud to present the highly anticipated 2nd edition of the Kumar Sustainability & Innovation Prize (KSIP). Themed "Digital Innovations for a Sustainable Future", KSIP aims to inspire participants to develop most promising and impactful solutions to address sustainability issues or introduce innovations that benefit people and society, in Singapore and beyond. Take part and stand to win the Top Prize of \$50,000! All current matriculated students (full-time or part-time) of Institutes of Higher Learning* are eligible.

Registration opens on 18 Sep 2023.

Click [HERE](#) for more details.



Green Carnival 2023

The Green Carnival 2023 took place on 30 August and featured a series of informative booths, engaging workshops, and inspiring fireside chat on sustainable entrepreneurship. The event was organised by [NTU Student Union](#) (NTUSU) and supported by DBS Foundation, Earthlink NTU, Greensparks, NTU Clean Energy Club, Divert for 2nd Life and LepakInSG. Green Carnival aims to inculcate a sense of environmental sustainability through engaging exhibits. It also aims to empower individuals to live sustainably in their daily lives and make a positive impact on the wider society.

Stay tuned for more sustainability events and initiatives by NTUSU!

EDUCATION

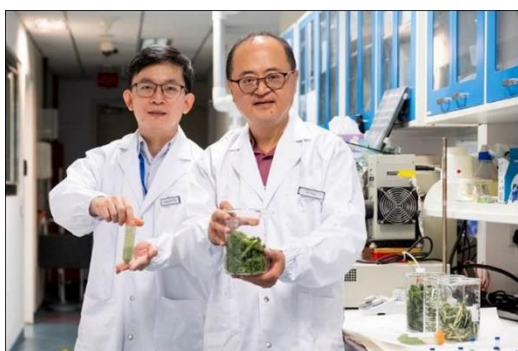


New sustainability lecture and scholarships funded by Mapletree

NTU Singapore and Mapletree have jointly launched a new sustainability programme comprising an annual lecture series and scholarships for promising students. The Mapletree Sustainability Programme was established following a S\$675,000 gift from Mapletree to NTU. The gift, which also includes the setting up of an endowment, will fund annual lectures and scholarships for undergraduates, to promote continuous learning and nurture future sustainability leaders.

Click [HERE](#) for more details.

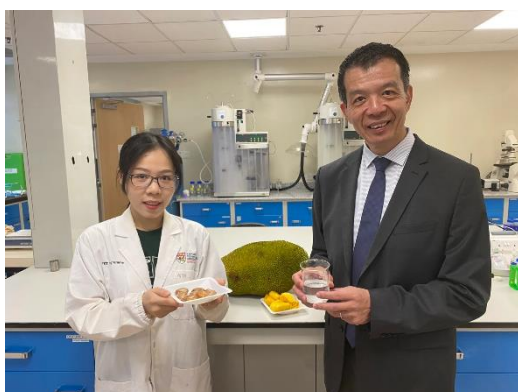
RESEARCH HIGHLIGHTS



Turning kale waste into treasure

NTU Singapore scientists have devised an eco-friendly method to repurpose kale waste for use in health and personal care products, reducing food waste and emissions. Phytochemicals are prevalent in plants and are used in various consumer products. Traditional extraction methods are energy-intensive and emit CO₂. In contrast, the NTU team combined kale waste with non-toxic natural deep eutectic solvents (NADES), resulting in a naturally layered mixture. This innovative approach allows for easy extraction of valuable phytochemicals without the need for heating.

Click [HERE](#) for more details.



Upcycling jackfruit seeds to produce lactic acid

NTU Singapore scientists have devised a sustainable and more effective method for producing lactic acid, by utilizing discarded jackfruit seeds. Lactic acid is a crucial ingredient in various food production and preservation processes, from dairy products to baked goods and more. This sustainable approach, led by Professor William Chen, Director of NTU's [Food Science and Technology](#) (FST) program, requires fewer chemicals and processes, produces negligible amounts of by-products and reduces food waste by using discarded jackfruit seeds.

Click [HERE](#) for more details.



Coastal habitats face destruction in 30 years from rising sea levels

An international team of scientists, led by NTU Singapore and Macquarie University in Australia, has found that rising sea levels will once again devastate coastal habitats within the next 30 years. Examining data spanning from the last Ice Age to present day, they revealed that, as temperatures rose following the Ice Age, oceans surged at an average rate of one meter per century, resulting in widespread coastal habitat loss. This research, co-authored by Professor Benjamin Horton and Dr. Timothy Shaw from NTU's [Earth Observatory of Singapore](#) (EOS), was published in the journal Nature and is crucial for assessing the viability of nature-based solutions to climate change. It is funded by the Marine Climate Change Science (MCCS) Programme.

Click [HERE](#) for more details.

OTHER EVENTS



Urban Solutions and Sustainability R&D Congress 2023

Event Date: 4-5 Oct 2023

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

The biennial Urban Solutions and Sustainability (USS) R&D Congress organised by the Ministry of National Development (MND) serves as a platform to showcase Singapore's R&D efforts in addressing challenges towards a sustainable future. This year's Congress features more than 40 speakers from various disciplines across topics such as climate adaption and resource circularity. Partners from private and public sectors as well as researchers will also be featuring their innovations at the Congress.



DBS Foundation x NEA Hungry for Change Challenge 2023

Submission Date: Now till 31 Oct 2023

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

The Hungry for Change Challenge launched by DBS Foundation and the National Environment Agency (NEA), aims to empower youth to develop and pilot innovative solutions that will prevent or reduce food waste in Singapore. This year, the five most innovative ideas in reducing food & packaging waste will receive total funding of up to SGD 100,000 to pilot the solutions, together with mentorship from DBS and NEA. An additional SGD 25,000 will be given to the most

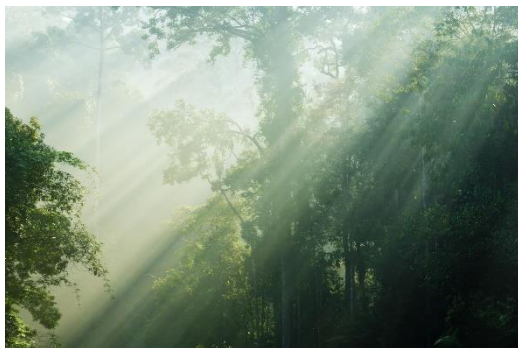
promising solutions of the five at the end of their pilot. Register now!



Singapore International Energy Week (SIEW) 2023

Event Date: 23-27 Oct 2023
Details: Click [HERE](#) for more details

The 16th edition of the [Singapore International Energy Week \(SIEW\)](#) will be held from 23-27 October 2023. SIEW is an annual platform for energy professionals, policymakers and commentators to discuss and share solutions and best practices within the global energy space. Register now!



Rainforest Remedies

Event Date: 8 Jul 2023-14 Jan 2024, 9:00AM-6:00PM
Details: Click [HERE](#) for more details

Rainforests are facing continuous degradation due to urban development and there's a pressing danger of losing many plant species with valuable medicinal properties. This exhibition at Singapore Botanic Gardens highlights plant species with medicinal properties from tropical rainforests of Singapore, Southeast Asia and beyond and aims to convey the importance of conservation.

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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Oct 2023

