



CAMPUS HAPPENINGS



Seatrium-supported Laboratory renamed Seatrium New Energy Laboratory with expanded research focus

The Seatrium New Energy Laboratory at NTU, formerly known as Sembcorp Marine Lab, will expand its research focus to include new energy, maritime decarbonization, offshore renewables, and digitalization. In addition, Seatrium will also collaborate with NTU's Centre for Professional and Continuing Education ([PaCE@NTU](#)) to train its workforce with short courses in Artificial Intelligence, robotics, and energy efficiency technologies.

Click [HERE](#) for more details.



Replacing Ultra Low Temperature Freezers (ULTFs) to more energy efficient models

Ultra Low Temperature Freezers (ULTFs) are among the most energy-intensive equipment used in laboratories. ULTFs that are more than 10 years old consume 2-3 times more energy than newer, energy-efficient models. To promote energy efficiency in labs, an updated ULTF catalogue from 7 vendors, featuring energy-efficient models, is now available on Ariba. Notably, the Lee Kong Chian School of Medicine ([LKCMedicine](#)) has replaced 17 older ULTF units with more energy-efficient models. The [NTU Sustainability Office](#) encourages all schools and research institutes to consider replacing ULTFs that are more than 10 years old to reduce energy consumption and contribute to greener, more sustainable laboratories.



Global economic scholars tackle AI, climate change and developments in Asia

The Singapore Economic Review Conference 2024, organized by the Singapore Economic Review Journal, concluded after three days of discussions on AI, climate change, and developments in Asia. The event brought together over 250 participants from over 50 countries. The conference is the biennial flagship event of the Singapore Economic Review, a quarterly journal devoted to publishing high-quality papers on all aspects of economics, with a special emphasis on Asia. The journal's editor is Professor Euston Quah, NTU Albert Winsemius Chair Professor of Economics and President of the Economic Society of Singapore.

Click [HERE](#) for more details.

RESEARCH HIGHLIGHTS



Climate change intensifies and prolongs cyclones: International study

A recent study by NTU Singapore, Rowan University, and the University of Pennsylvania finds that climate change is causing tropical cyclones in Southeast Asia to form closer to coastlines, intensify rapidly, and last longer. These changes will heighten risks for tens of millions in coastal areas, with cities like Hai Phong, Yangon, and Bangkok facing unprecedented threats from these more intensive storms. This study is part of NTU's S\$50 million Climate Transformation Programme hosted by [Earth Observatory of Singapore](#) (EOS) and funded by the Ministry of Education (MOE).

Click [HERE](#) for more details.



Undersea volcanoes in region might put Singapore at risk: Study

New research by NTU's [Earth Observatory of Singapore](#) on 466 undersea volcanoes in Southeast Asia, including the South China Sea, reveals that Singapore could be affected by rare explosive events. If a large underwater volcano erupts, it could trigger tsunami waves that reach Singapore's coastlines. Additionally, volcanic ash could blow towards Singapore, and lava flows could damage undersea cables, leading to internet outages and disrupting financial transactions. The findings were published in *Natural Hazards and Earth System Sciences* in April.

Click [HERE](#) for more details.



Living in a plastic world: tackling plastic pollution

Researchers at NTU Singapore are advancing plastic recycling by repurposing e-waste plastics for biomedical applications, converting hard-to-recycle plastics into polymer foams for cushioning applications, and using light to break down plastics into useful energy-storage compounds. These innovations address the challenges of plastic waste, reduce environmental impact, and contribute to the circular economy by creating valuable products from discarded plastics.

Click [HERE](#) for more details.

OTHER EVENTS



Healing Garden Tour

Event Date: 7 Sep 2024, 9:00AM-10:00AM

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

The Healing Garden, located near the Nassim Gate entrance of the Singapore Botanic Gardens, is a tranquil 2.5-hectare retreat within the Visitor Centre, showcasing over 400 medicinal plant varieties used in Southeast Asia. It is laid out thematically relating to component parts of the body such as head, respiratory and reproductive systems. Join in the tour by NParks to learn more about the medicinal plants within the garden!



Project Blue Wave @ Jurong Lake Gardens

Event Date: 8 Sep (2:00PM) & 21 Sep 2024 (9:30AM)

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

As part of Clean & Green Singapore Experiences, Project Blue Wave invites participants to join a guided clean up activity on kayaks at Jurong Lake Gardens. Led by PAssion Wave trainers, participants will learn about the harmful effects of litter and contribute to hands-on conservation efforts. This initiative aims to foster a sense of environmental ownership among Singaporeans while promoting a cleaner and healthier environment.



Air-conditioner Recycling and Eco Tour at Gain City

Event Date: 14 Sep 2024, 1:45pm & 3:45PM

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

As part of Clean & Green Singapore Experiences, this tour organised by Gain City offers an exclusive look into air-conditioner refurbishment, recycling, and other green initiatives like waste food bio-digesters and solar power. Learn how Gain City is implementing sustainable practices and discover practical tips for eco-friendly living at home.

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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