



CAMPUS HAPPENINGS



100 trees planted along Nanyang Crescent as part of Earthlink NTU's NTreeU initiative

As part of NTU's sustainability efforts, volunteers from NTU community and Advantest Corporation have recently planted 100 trees on campus along Nanyang Crescent on 25th Feb 2023. This initiative is supported by the NTU Sustainability Fund and is organised by [Earthlink NTU's](#) NTreeU initiative to support NParks OneMillionTrees movement. Do check out the planted trees along Nanyang Crescent and stay tuned to future tree planting events!

Click [HERE](#) for more details.



Learning Journey Programme for Nanyang Girls' High School hosted by ERI@N

[Energy Research Institute at NTU \(ERI@N\)](#) hosted [Nanyang Girls' High School](#) students for a learning journey programme on 10 March 2023. Students enjoyed an interactive tour of ERI@N's Systems Engineering and Future Mobility Lab and NTU-Durapower Joint Battery Fabrication Lab. Students were also engaged in an experiential learning workshop conducted by the [NTU Sustainability Office](#), where they brainstormed creative ways to save energy during their day-to-day life, using a smart plug. Lastly, students were led by Dr. Narasimalu Srikanth, Program Director of ERI@N, and challenged to present proposed solutions to real-world energy efficiency problem statements for Buildings, Maritime and Transport.

Click [HERE](#) for more details.



NTU Earth Hour 2023

NTU participated in the annual Earth Hour on 25 March 2023, from 8.30pm to 9.30pm. Non-essential lights including lights along common corridors, link way and covered car parks were switched off by the Office of Development & Facilities Management (ODFM). With support from the NTU Community, it was estimated that one hour of switching off lights can potentially power a 3-room HDB flat for 3 months.



LKCMedicine celebrates Eco Office Champion award

On 28 February 2023, [LKCMedicine](#) celebrated the School being awarded the Champion status for Eco Office certification for their offices in Novena Campus by the [Singapore Environment Council](#) (SEC) in its first ever Sustainability Day. About 100 staff and faculty, joined by the Core Leadership Group (CLG), participated in the event to learn more about the School's sustainability efforts. Vice-Dean (Research) Professor Lim Kah Leong, who was acting Dean, graced the event as the Guest-of-Honour.

Click [HERE](#) for more details.

BRING YOUR OWN CONTAINER CAMPAIGN
#BYOCCAMPAIGN

EarthlinkNTU susGain NTU SUSTAINABILITY OFFICE

COMPLETE 'NTU BYOC' CHALLENGE ON SUSGAIN IMPACT APP :

1. Open/Download 'susGain Impact' app
2. Search for 'NTU BYOC' challenge on the app
3. Bring along reusable container to participating NTU canteen vendors (Look out for BYOC sticker)
4. Do 10 BYOs to complete the challenge. Points redeemable once you are at any of the listed canteen.

"NTU BYOC" challenge can be completed multiple times. Stand to win prizes based on the no. of times you complete the challenge.
*After the campaign period, we will contact you by email if you have been selected to win the prize.

STAND TO WIN! :

- Bronze Tier: 1 NTU BYOC Challenge (prize value of \$8)
- Silver Tier: 2 NTU BYOC Challenge (prize value of \$20)
- Gold Tier: 3 NTU BYOC Challenge (prize value: \$80)

• Portable charger (Prize value \$99)
OR
• 1 month's subscription of cold brew coffee/tea (Prize value \$100)

Bring Your Own Container (BYOC) Campaign

Bring Your Own Container (BYOC) campaign organised by [Earthlink NTU](#), in collaboration with [susGain](#) and [NTU Sustainability Office](#), is back from **6 March to 14 April 2023**. Stand a chance to win attractive prizes, by completing the NTU BYOC challenge on susGain Impact App. Simply search for "NTU BYOC challenge" on susGain Impact app and participate in the challenge by bringing and using reusable container at participating NTU canteen vendors with BYOC sticker.

Click [HERE](#) for more details.

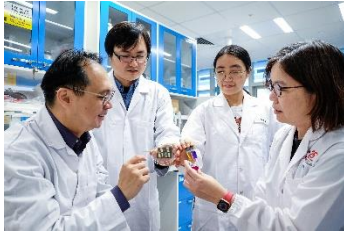
RESEARCH HIGHLIGHTS



Carbon Trading vs Carbon Tax: Which is more effective?

Posing a crucial risk to the economy, climate change is now at the top of government policy agendas worldwide. Associate Professor Hong Ru, from NBS Banking & Finance division, shares his thoughts on the effectiveness of two government policies that mitigate climate change: carbon tax and emissions trading system (carbon trading). In his research, he delves into which policies provide a stronger incentive for firms to switch to low-emission or renewable energy sources.

Click [HERE](#) for more details.



Stabilising perovskite solar cells without lead

A research team led by NTU Singapore scientists Prof Sum Tze Chien and Prof Lam Yeng Ming, has developed a method to synthesise a non-toxic capping layer for perovskite solar cells which is more eco-friendly and energy efficient. The team is working to scale up the method and is also in the process of applying for a patent with [NTUitive](#), NTU Singapore's innovation and enterprise company.

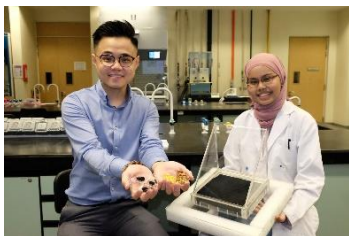
Click [HERE](#) for more details.



Innovations in water treatment for a sustainable future

To address water challenges faced by countries and communities around the world, researchers from NTU Singapore are developing innovations to purify water and treat wastewater effectively. The innovations include a cost-effective method to filter toxic heavy metals from water using plant waste, a bio-sand filter system to remove arsenic from groundwater, membranes that reduce energy used during desalination, 3-D printed membrane which can filter wastewater more efficiently as well as a new method to remove phosphorus from wastewater.

Click [HERE](#) for more details.



Turning fruit and plastic wastes into useful materials for water purification

A NTU Singapore scientist, Asst Prof Edison Ang from the [National Institute of Education \(NIE\)](#), has developed MXenes, an ultra-thin electrical-conducting compound made from recycled fruits which can be used in equipment to purify dirty water. There are also plans to use MXenes in applications such as energy storage and battery manufacturing.

Click [HERE](#) for more details

OTHER EVENTS



Earth Day 2023

Event Date: 22 April 2023

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

Earth Day 2023 will take place on 22 April 2023. First celebrated on April 22, 1970, Earth Day is one of the biggest movements celebrated around the world whereby individuals take action towards a greener and more sustainable future. This year's theme is "Invest in Our Planet", you can do your part by reducing, reusing and recycling or by simply switching off lights when not in use.



Share your daily habits for Earth Day 2023

Submission: By 14 April 2023

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

Calling all students! Unleash your creativity and share your daily habits for Earth Day 2023 through writing, art, photography or videography and stand to win an Amazon gift card. For each submission received, 30 trees will also be planted at locations across Pacific Rim. This event is organised by the [Association of Pacific Rim Universities \(APRU\)](#), of which NTU is one of the member universities.



Sustain-a-City: An Urban Innovation Challenge

Registration: By 5 April 2023, 2-3 members per team

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

Got an idea for a more sustainable city? Join in the “Sustain-a-City: An Urban Innovation Challenge” by Temasek’s [Ecosperity](#) platform in partnership with Arkki Singapore, and share your innovative solutions on a sustainable, net-zero city.

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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APR 2023