

## UN WORLD WATER DAY: 22 MARCH 2022

### 22 March, 2022 – World Water Day

World Water Day, held on 22 March every year since 1993, focuses on the importance of freshwater. It celebrates water and raises awareness of the 2.2 billion people living without access to safe water. It is about taking action to tackle the global water crisis. A core focus of World Water Day is to support the achievement of Sustainable Development Goal 6: water and sanitation for all by 2030.

## FELLOWS SHOWCASE: WANG RONG

**Wang Rong**, is a Full Professor and President's Chair in Civil and Environmental Engineering at Nanyang Technological University (NTU), Singapore. She also holds the position of Director, Singapore Membrane Technology Centre (SMTCC) at Nanyang Environment and Water Research Institute, NTU. She is a Fellow of the Academy of Engineering Singapore, and the founding President of Membrane Society in Singapore (MEMSIS). She served as the Chair of the School of Civil and Environmental Engineering (CEE) at NTU from 2014 to 2020. She is a membrane scientist working on developing advanced membrane separation technology for water, energy and environmental applications.

### #DYK

- Dr Wang was named among the top SG100 Women in Tech List (SG100WIT) 2021.
- Dr. Wang received the Nanyang Research Award in 2018 and the prestigious "Alternative Water Prize" of the Prince Sultan Bin Abdulaziz International Prize for Water (PSIPW) in 2016.
- Dr Wang's inventions have led the setup of three membrane-based spin-off companies in Singapore.

**#nisthreads:** Prof Wang's latest publications include:

- [Investigation of aqueous and organic co-solvents roles in fabricating seawater reverse osmosis membrane](#)
- [Liposome-integrated seawater reverse osmosis membrane prepared via facile spray-assisted interfacial polymerization](#)
- [Mechanisms of Efficient Desalination by a Two-Dimensional Porous Nanosheet Prepared via Bottom-Up Assembly of Cucurbit \[6\] urils](#)
- [Organic solvent forward osmosis membranes for pharmaceutical concentration](#)

More details on our social media platforms this week:



## FELLOWS IN THE MEDIA



### [Chen Tao \(Prof\)](#)

13 Mar 2022

- [As inflation rises, how much more are you paying for your groceries?](#)

## NISTH EVENTS



### OPEN CALL FOR PROPOSALS - 21 Mar 2022

NISTH's program of collaborative Labs called **NISTH co:Labs**, seeks to bring together NTU faculty from STEM and non-STEM disciplines with established researchers and professionals from academia, industry, government and the community. It aims to seed a new field of research, new research communities, collaborations, and networks. Each application must be led or co-led by a **NISTH Fellow**.

**More Details:** [Here](#)

## EVENTS WITH NISTH IAB/FELLOWS/PARTNERS



### 22 Mar 2022: 12:30 PM – 4:50 PM

**Seminar of Frontier Research in Urban Science**, is part of the TF-NTU AI Asia, Distinguished Speaker Series. This series of research seminars involves research talks from well-known researchers working surrounding the area of urban science and the advances in various aspects of urban science, including but not limited to urban infrastructure planning, logistics, urban data sensing, urban data analytics, urban computing applications, etc. **NISTH Fellow Prof Gao Cong** will be speaking on Enriched Spatial Data Management and Trajectory Data Mining.

**More information at:** [Here](#)



### 25 Mar 2022: 4:00 PM – 6:00 PM

**From Submission to Publication: The Editors' View by Dr Jennifer Sargent, Deputy Editor, Nature Medicine**, is organized by Lee Kong Chian School of Medicine and the session will be hosted by **NISTH Fellow Prof Sanjay Chotirmall**. Dr Jennifer Sargent will discuss the editorial processes at Nature Medicine and cover topics such as the scope of the journal, manuscript evaluation, peer review, editorial decisions, and transfers to other journal in the Nature family.

**More information at:** [Here](#)



### Science Breakthroughs of the Year 2022 – Deadline: 15 May 2022

**The Falling Walls Foundation** supports scientists in sharing their knowledge and ground-breaking ideas with the wider society and helps science engage with audiences in innovative and impactful ways. The global search for the **Science Breakthroughs of the Year 2022** is now open. Please refer to the attached flyer for more information on this Global Call for Nominations and feel free to circulate this to your networks, and encourage active nominations of breakthroughs, outstanding science projects, and bright minds.

**More information at:** [Here](#)



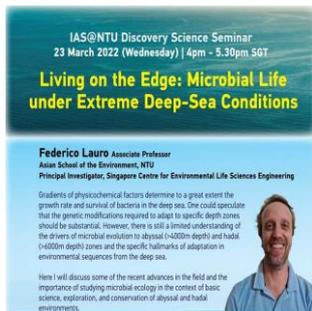
**31 July – 3 Aug 2022**

**World Cities Summit 2022; Liveable and Sustainable Cities: Emerging Stronger**, is an opportune platform to share best practices and innovative solutions for our cities to be more liveable, sustainable, and resilient.

Apart from our usual highlights - the Lee Kuan Yew World City Prize, WCS Mayors Forum, WCS Young Leaders Symposium and WCS Smart Cities Workshop, global, business, and thought leaders will discuss our theme through plenary sessions and tracks.

**More information:** [Here](#)

**OTHER EVENTS**



**23 Mar 2022; 4:00 PM – 5:30 PM**

**Living on the Edge: Microbial Life under Extreme Deep-Sea Conditions**,

is part of the IAS@NTU Discovery Science Seminar, jointly organised by IAS, Asian School of the Environment Research Fellow Club, and the Graduate Students' Clubs of SBS, SCBE and SPMS at NTU. Prof Lauro will discuss some of the recent advances in the field and the importance of studying microbial ecology in the context of basic science, exploration and conservation of abyssal and hadal environments.

**More information and Register:** [Here](#)



**25 Mar 2022; 2:00 PM – 4:00 PM**

**Women who inspire: Frontline Engineering Heros and Innovators of the Pandemic**,

is organized by the Women in NTU in celebration of International Womens Day. The webinar will showcase the engineering heros and problem solvers leading solutions through the pandemic. They will share their insights from creating masks to breathalysers to enhance essential services that impact our daily lives.

**More information and Register:** [Here](#)

**GRANT / CHALLENGE CALLS & OPPORTUNITIES**

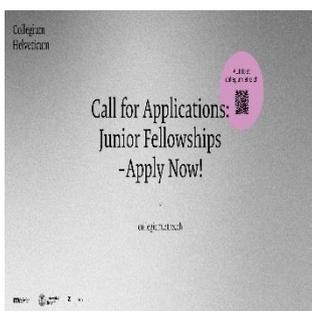
For assistance in identifying research partners, email us at [NISTH-research@ntu.edu.sg](mailto:NISTH-research@ntu.edu.sg)



**Early Notification – 1 – 31 March 2022**

**The Intra-CREATE Seed Collaboration grants** are aimed to generate an impetus for collaborations to form between researchers from CREATE Partner Institutions co-located in Singapore, in order to achieve greater impact from collaborative research efforts. The Intra-CREATE Seed Collaboration grants are supported up till SGD 250,000 (inclusive of indirect costs) from NRF over a period of 18 months.

**More information:** [Here](#) (Login required)



**Call Deadline for Submission: 7 Mar 2022**

**The Collegium Helveticum’s Junior Fellowship Programme** is the joint Institute for Advanced Studies (IAS), ETH Zurich, the University of Zurich and the Zurich University of the Arts. It promotes encounters between the humanities and social sciences, natural and engineering sciences, medical sciences and the arts. The Programme offers promising young scholars from the sciences and the arts the opportunity to work on individual projects in an interdisciplinary environment for 10 months.

**More details at:** [Here](#)



**Register by: 18 March 2022**

**8th Underwriters Laboratories - ASEAN-U.S. Science Prize for Women 2022 with the theme "Artificial Intelligence in Health & Safety"**, has been launched! The Science Prize aims to strengthen ASEAN S&T capacity and gender equality and provides promising ASEAN female scientists with recognition awards for their academic and professional achievements. Applicants for the 2 categories: **(i) Mid-career for scientists aged 45 years and below**, and **(ii) Senior for scientists aged 46 and older** must be ASEAN citizens and hold a doctoral degree. **Registration page for Mid-career Category: [Here](#)**  
**Registration page for Senior Category: [Here](#).**

For queries, Refer to [the Science Prize website](#) or email [Science Prize](#)

**Deadline: 31 March 2022**

**Temasek Foundation Call 2022**, champions sustainability and innovative solutions to improve liveability in an World of active and productive economies, beautiful and inclusive societies, and a clean and cool earth. They are currently conducting their Call for Proposals, and is seeking innovative solutions in two key areas: [Liveability and Sustainability](#) and [Public Health](#). Interested parties who have completed their proofs of concept and need support to create and demonstrate prototypes in an operational environment are encouraged to submit their proposals online.

More information: [Here](#) (Login required)

**Deadline: 1 April 2022**

**The Liveability Challenge**, is presented by Temasek Foundation and organised by Eco-Business. The Challenge is looking for disruptive, game-changing solutions that will help cities accelerate **decarbonisation**, meet increasing demand for food, and conserve our planet's natural ecosystems. Finalists stand a chance to win the grand prize of up to S\$1 million in grant funding for project development, among other opportunities. The three themes for this year's challenge are: Decarbonisation, Food & Agritechology and Nature-based Solutions.

**International Project on Ethical Dilemma In Tech**, is inviting 2-3 advanced level students interested in the impacts of technology and the financial sector to join an international project on ethical dilemma of using tech. Background could be engineering, the humanities, law, business, anthropology, philosophy or other – they are looking for diversity. Join an international highly diverse team for an important project from June to December 2022 and learn about tech, impact, ethics and build an international network. As part of the [Initiative on Responsible Digital Leadership in the Financial Sector](#), GAEIA, we are identifying *ethical dilemmas* in related to tech and processing of data (data management and analytics, use of algorithmic tools, AI/ML). A diverse group will collect and analyze possible dilemmas in collaboration with an international group of financial sector institutions. This is a combined international class on ethics of technology and a research & development project.

If interested, please email [nisth-events@ntu.edu.sg](mailto:nisth-events@ntu.edu.sg)

Email us at [nisth-events@ntu.edu.sg](mailto:nisth-events@ntu.edu.sg); Website: [www.nisth.ntu.edu.sg](http://www.nisth.ntu.edu.sg)



**GAEIA**

**Responsible Digital Leadership in the Financial Sector**



Center for Human Rights & International Justice,  
Stanford University