

BESS Workshop on Bioenergy and Bioresources in Urban Agriculture

NUS Utown CREATE Building, CREATE Theatrette
1.30 - 6.00 pm, 15 Dec 2022

Urban agriculture is a growing trend worldwide, and it is especially important for Singapore due to its highly built environment and small land area. While it is not new, there are a lot of challenges in making urban agriculture sustainable, both environmentally and economically. For example, the energy cost for indoor farming is the biggest component of the total costs, with the large amounts of energy needed for lighting, cooling, air flow, control systems and etc. In terms of resources, water, soil and fertilizers are needed for urban agriculture and these are not easy to obtain in cities. Therefore, this workshop brings together a few experts to discuss on sustainable urban agriculture through the optimization of bioenergy and bioresources.

[Register today!](#)

Workshop Program

1.00-1.20 pm: Registration

Introduction

1.20 – 1.30 pm: Dr. Geng Anli, President, BioEnergy Society of Singapore.

Topical talk I

Workshop Chairman: Prof. Tong Yen Wah, E2S2, Environmental Research Institute (NERI) and Department of Chemical and Biomolecular Engineering, National University of Singapore.

1:30 - 2:10 pm: Future urban food systems, by Mr. Luke Tay, Founder of Cornucopia FutureScapes.

2:10 - 2:50 pm: Could urban farming rely solely on biological agri-inputs? By Mr. Anton Wibowo, CEO, Trendlines Agrifood Innovation Center Pte Ltd.

2:50 - 3:30 pm: Circular Agriculture for Urban Environment, by Mr. James Yin, Founding member, V-plus Agritech Pte Ltd.

3:30 – 4:00 pm: Tea break

Topical talks II

Workshop Co-Chairman: Dr. Ji Lianghui, Director and Senior Principal Investigator, Temasek Life Science Laboratory, Singapore

4:00-4:40 pm: Insect Frass Based Biofertilizers: An Innovative Solution for Sustainable Urban Agriculture, by Mr. Rezuwan Zakaria, R&D Manager, Nutrition Technologies Sdn Bhd.

4:40-5:20 pm: Plant nanotechnology for smart and sustainable agriculture, by Prof. LEW, Tedrick Thomas Salim, Department of Chemical and Biomolecular Engineering, National University of Singapore.

5:20-6:00 pm: Ecology-inspired microbial solutions for enhancing crop performance and climate resilience, by Prof. Sanjay Swarup, Department of Biological Sciences, National University of Singapore.

6:00-6:20 pm: BESS AGM 2022

6:20: End of the event

Organizers

