

Kit Wayne Chew

Affiliation: Nanyang Technological University, Singapore

Research title for the award:

Bioseparation of multiple products using nanobubbling-assisted liquid triphasic flotation for microalgae biorefinery



Dr. Kit Wayne Chew is an Assistant Professor at the School of Chemistry, Chemical Engineering and Biotechnology, Nanyang Technological University, Singapore. He obtained his PhD from the University of Nottingham. His research and technological development interests are in sustainable bioprocess engineering for food and pharmaceutical products, focusing on the utilization of algae biotechnology to develop cost-effective and environmentally friendly methods for the synthesis of functional ingredients. He also works on renewable energy, sustainability, waste management and automation integrated bioprocesses.

He has received several prestigious awards throughout his research career, including the Green Talents Award 2022, Top 2% World Top Scientists in The Stanford List 2022/2021, Global IChemE Award for Young Researcher 2020, Winner for the Young Researcher in IChemE Malaysia Award 2020, and YSN-ASM Rising Star Award 2019. Up to now, he has published more than 200 Journal articles and 15 book chapters.

[Message as a prize winner]

I am most grateful to The Society for Biotechnology, Japan, for selecting me as the winner of the DaSilva Award 2023. It is a great honor to receive this prestigious award and be part of the talented young researchers' network in Asia working in the field of biotechnology. I would like to express my sincere thanks to my mentor and nominator, Distinguished Prof. Dr. Jo-Shu Chang; my best Ph.D. supervisor and mentor, Prof. Dr. Pau Loke Show; my collaborators and students, and to the SBJ committees for all the support and recognition. I appreciate the opportunity to be part of the excellent community for biotechnology research and will strive to advance my research for the benefit of the world.

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