

Silpakorn International Conference on Total Art and Science 2021
in conjunction with the 2nd International Conference on Engineering
and Industrial Technology 2021 (ICEIT 2021)
The International Virtual Conference on Art, Science & Technology, and Social Science

Introduction of Plenary Speaker

Name : Prof. Ts. Dr. Su Shiung Lam

Given name: Su Shiung Surname: Lam

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Lam holds a PhD in Chemical Engineering from Cambridge University, and is a Full Professor at Universiti Malaysia Terengganu (UMT), currently the Deputy Director of International Centre under the Office of Deputy Vice Chancellor, and a Core Member of Institute of Tropical Aquaculture and Fisheries (AKUATROP), accredited as the Higher Institution Centre of Excellence (HICoE) for Future Food: Sustainable Shellfish Aquaculture by Ministry of Higher Education Malaysia. He has professional qualification as Certified Environmental Professional for Hazardous Waste Management in Malaysia, and Professional Technologist (Ts./P.Tech) for Green Technology by the Malaysia Board of Technologists. Lam also contributes his service as Deputy Editor-in-Chief of [Journal of Sustainability Science and Management](#) (Scopus-indexed), Editor of [Environmental Pollution \(Elsevier, IF: 8.0, Q1, JCR-indexed Top 10%\)](#), Associate Editor for [Environmental Geochemistry and Health \(Springer, IF: 4.6, Q1\)](#), [Frontiers in Energy Research \(Frontiers, IF: 4.0, Q2\)](#), [Energy & Environment \(SAGE, IF: 2.9, Q3\)](#), and [Environmental Advances \(Elsevier\)](#), Editorial Board Member for [Bioresource Technology \(Elsevier, IF: 9.6, Q1, JCR-indexed Top 10%\)](#), [Chinese Chemical Letters \(IF: 6.8, Q1\)](#), [Renewable and Sustainable Energy Transition \(Elsevier\)](#), [Carbon Capture Science & Technology \(Elsevier\)](#), [Materials Science for Energy Technologies \(Scopus-indexed\)](#), and as Guest Editor of special issues of internationally renowned Q1 journals, e.g. Journal of Hazardous Materials (Elsevier, IF: 10.6, Q1), Bioresource Technology (Elsevier, IF: 9.6, Q1), Environmental Pollution (Elsevier, IF: 8.0, Q1), Environmental Research (Elsevier, IF: 6.5, Q1), Journal of Analytical and Applied Pyrolysis (Elsevier, IF: 5.5, Q1), Waste and Biomass Valorization (IF: 3.703, Q2).

He leads a Pyrolysis Technology Research Group' working mainly on Chemical & Environmental Engineering, focusing on Waste and Biomass Valorization/Utilization, Waste and Wastewater Treatment, Green Technology, and Pollution Detection/Mitigation. Lam is active in research on the application of thermochemical processes (e.g. pyrolysis, gasification, torrefaction) and microwave heating in transforming waste and biomass into green energy and products applicable to industry and environmental protection. He is at the forefront in development and application of microwave pyrolysis technology, ranking among the top in 'pyrolysis' in the number of SCI-indexed publication, currently ranked No. 4 in the world in

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‘microwave pyrolysis’, No. 1 in Malaysia in ‘pyrolysis’, and No. 2 in Malaysia in ‘microwave’. Lam has secured 30 research grants, both international and in Malaysia, worth nearly RM 3.8 million. These projects have also received partnerships and investments from 5 companies from the industry. He has filed patent and to scale up and commercialize a pyrolysis platform technology. These prototypes are currently used by waste operators for energy conversion and waste to wealth applications. He has published over 270 papers, some of which are published in journals such as Lancet (IF: 79.3), Nature (IF: 42.8), Science (IF: 41.8), Progress in Energy and Combustion Science (IF: 29.4), Renewable and Sustainable Energy Reviews (IF: 14.9), 15 currently ranked as Web of Science ESI "Highly Cited Papers" (Top 1%) and 2 as ESI Hot paper (Top 0.1%), receiving a H-index of 47 and >6500 citations in Google Scholar. Lam is selected as 2020 Top Research Scientists Malaysia by Academy of Sciences Malaysia.