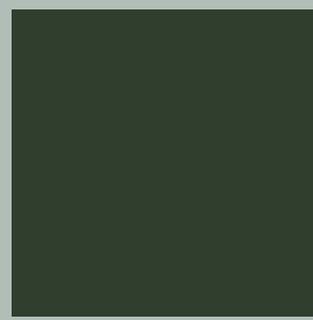
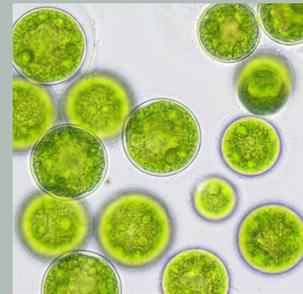
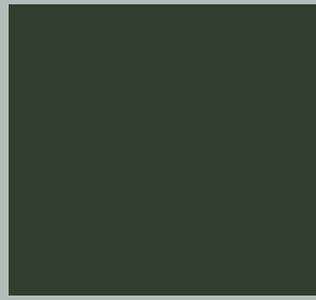
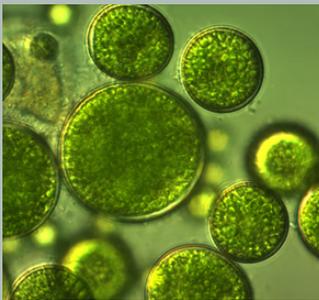


WEBINAR TALK ON

LATEST DEVELOPMENTS IN MICROALGAE TECHNOLOGY



SPEAKER :

Ir. Ts. Prof Dr. Pau-Loke SHOW

18 JULY 2022 MONDAY

3.00PM - 5.00PM

ORGANISED BY :

AGRICULTURAL AND FOOD ENGINEERING TECHNICAL DIVISION

BEM APPROVED CPD : APPLYING REF NO: APPLYING

REGISTRATION FEE :

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SYNOPSIS

In recent years, Liquid Biphasic System (LBS) has been proven as an effective technology used in separation and purification for circular bioeconomy in microalgae biorefinery. The application of Internet of Things (IoT) in LBS in clarification, partitioning and partial purification of biomolecules and bioproducts had shown rapid technological development. This method is able to give high recovery yield and high purity in a single step. The LBS shows characteristics of high selectivity and is easily to scale up for bigger production. Therefore, LBS offers an attractive alternative that meets the requirements/high demand of the industry and it is also beneficial in terms of economic and environmental protection. This presentation aims to share on the recent works in the development of different type of LBS technologies and their applications in novel separations and purifications of biomaterials.

SPEAKER'S PROFILE

Ir. Ts. Prof Dr. Pau-Loke SHOW is the President of International Bioprocess Association in Malaysia. He is also the director of Sustainable Food Processing Research Centre and Co-director of Future Food Malaysia, Beacon of Excellence, in the University of Nottingham Malaysia. He is a Full Professor of Biochemical Engineering at the Department of Chemical and Environmental Engineering, Faculty of Science and Engineering, University of Nottingham Malaysia. He obtained his PhD in two years' time after obtaining his bachelor's degree from Universiti Putra Malaysia. He is currently a Professional Engineer (PEng) registered with the Board of Engineers Malaysia, Chartered Engineer (CEng) of the Engineering Council UK (MIChemE) and Professional Technologies (PTech) registered with the Malaysia Board of Technologists. Prof Ir. Ts. Dr. Show obtained the Post Graduate Certificate of Higher Education (PGCHE) in 2014, and is now a Fellow of the Higher Education Academy (FHEA) UK. He has been recently awarded as the Top Peer Reviewer 2019 powered by Publons (Top 1% of Reviewers in Global Top Peer Reviewer Awards in Engineering, Global Top Peer Reviewer Awards in Cross-Field, Global Top Peer Reviewer Awards Chemistry, Global Top Peer Reviewer Awards in Biology and Biochemistry, Global Top Peer Reviewer Awards in Agricultural Sciences). Also, he has acted as a handling editor for more than 1000 submitted manuscripts in numerous journals.