



CPD : 2.0
IEM22/HQ/343 (w)

WEBINAR TALK ON

"Discover Graphene Nanomaterials – Synthesis and Application"

📅 24 SEPTEMBER 2022, SATURDAY

🕒 10.00AM - 12.00PM

📍 ONLINE PLATFORM



Presented by

**Dr. Ang Wei Lun &
Dr. Ebrahim Mahmoudi**

SYNOPSIS

In this webinar, we will take a closer look at the wonder material – graphene and its derivatives to better understand their unique characteristics that resulted in its wide acceptance in many fields. The commercial applications of graphene and graphene-derivatives (e.g., electronics, construction, aerospace, optics, and environmental remediation) will be highlighted. On top of that, we will share some of the promising applications of graphene and its derivatives synthesized in our research. We will also review the various synthesis approaches of graphene. The challenges of large-scale production and application of graphene as well as the strategies to address the challenges will be discussed in this webinar.

ABOUT SPEAKERS

Dr. Wei Lun Ang is a lecturer in the Department of Chemical and Process Engineering, Universiti Kebangsaan Malaysia. He received his PhD in the area of integrated membrane desalination process. His research interests lie in the field of membrane technology and its integration with other water and wastewater treatment technologies such as adsorption and electrochemical processes. He is also involved in the synthesis of nanomaterials, especially graphene-based derivatives and its integration in membrane and adsorbent fabrication. Wei Lun has published more than 40 indexed articles and 7 book chapters and edited 1 book.

Dr. Ebrahim Mahmoudi obtained his Ph.D. degree in chemical engineering from the National University of Malaysia (UKM) in 2017. Currently, Dr. Mahmoudi is working as a senior lecturer at the National University of Malaysia. Dr. Mahmoudi is doing research in the field of separation and purification using novel polymeric membranes and membrane bioreactors. His research interests are in the area of synthesis and characterization of graphene and graphene-related nanomaterials, and the employment of graphene in purification and separation technologies.

IEM STUDENTS: FOC
IEM MEMBERS: RM15
NON-IEM MEMBERS: RM70