

University Roadshow @ USM
Organised by USM Chemical Engineering Student Society
Universiti Sains Malaysia

Date	:	20 April 2022
Platform	:	Cisco WebEx
Organised by	:	USM Chemical Engineering Student Society (ChESS)
Supported by	:	IChemE Palm Oil Processing Special Interest Group, in conjunction with Malaysian Palm Oil Council
Participation	:	370 people
Participants	:	Undergraduate Chemical Engineering students
Event webpage	:	www.icheme.org/roadshow-usm-2022

Introduction to IChemE POPSIG-MPOC educational roadshow

1. POPSIG-MPOC roadshow aims to provide a platform for students to learn more about the roles of chemical engineers in palm oil industry.
2. It also addresses accurate perceptions and promotes various career opportunities in the industry.
3. POPSIG-MPOC roadshow constitutes POPSIG Youth Sustainable Project that was presented as Top 20 best projects awarded by the European Union (Delegation to ASEAN) in 2022.
4. University Roadshow @ USM 2022 was one of the events listed in this award-winning roadshow series.

Introduction to the event

Objectives

1. To improve the understanding about palm oil.
2. To understand palm oil processing and manufacturing in industry.
3. To visualise the real-world working environment on a virtual platform.

Learning outcomes

1. Recognised the significance of MSPO and sustainability practices in Malaysian palm oil sector.
2. Learnt that palm oil is Malaysia's top agri-commodity and its roles as solutions to global crisis.
3. Understood the chemical engineer's tasks in palm oil processing.

IChemE Student Chapter Festival 2022 Committee List

Department	Name	Year
President	Fiona Rochelle a/p Christopher	3
Vice President	Lee Sam Yi	1
Secretary	Yong Sze Wei	3
Treasurer	Boey Jia Le	2
Publicity and Registration	Tamil Selvi A/P Marudappan	1
	Tan Kah Huat	3
Multimedia and Technical	Amer Mohammed Bin Hajeb	3
	Bol Ram	3
Protocol and Souvenirs	Grace Ang Pei Jun	2
	Ghirhija A/P Raja Kumar	3
Event Management	Pravendran A/L Mahendran	3
	Hareishnath A/L Gobinath	1

Best post-event report award

Congratulations to Tan Kah Huat from the Universiti Sains Malaysia for being awarded POPSIG Best Post-event Report Award. Read the report in POPSIG Newsletter Issue 20 (2022) at www.icheme.org/palm-newsletter-2022 .

Appendix

Figure 1: Announcement poster. Image adapted from: USM ChESS (2022).



Figure 2: Announcement poster about programme. Image adapted from: USM ChESS (2022).

6. Addressing the Sustainability Gaps in MSPO (MS2530:2022)

Strengths:

- Ensuring the legality of Malaysian Palm Oil (McInnes, 2017)
- Enabling sustainability certification for smallholders
- Offers a fully certified sustainable commodity, without the added premium

MSPO Version 2:

- Addressed key concerns and gaps in MSPO version 1, eg. HCV, Forced Labour, GHG emissions, SIA, Full Traceability and Transparency

Plight of the Malaysian independent smallholders

- About 260,000 independent smallholders
- Almost 30% of the Malaysian palm oil industry (by planted area)
- Lagging behind MSPO certification (66%) compared to organised smallholders and plantations (>90%)
- Requires technical, legal and financial support



Figure 3: Presentation by Michael Ng Foo Yuen, Assistant Manager in Science, Environment and Sustainability Division, MPOC.



Figure 4: MSPO Trace Presentation by Michael Ng Foo Yuen, Assistant Manager in Science, Environment and Sustainability Division, MPOC.



Figure 5: Question-and-answer session by Michael Ng Foo Yuen and Yung Yen Li.