

# CHEMISTRY, PROCESSING TECHNOLOGY & BIO-ENERGY (CPTB) CONFERENCE

**WEDNESDAY, 20 NOVEMBER 2019**

8.30 am **Welcome Remarks** by Dr. Astimar Abdul Aziz  
Chairperson of Chemistry, Processing Technology and Bio-Energy Conference

## SESSION 1 MILLING AND REFINING Chairperson: Mr. Ngan Teng Ye, MPOB Board Member, Malaysia

- 8.40 - 9.10 am LP1 **Title:** OER Enhancement via Enzymatic and Chemical Catalysts  
**Speaker:** Ahmad Jaril Asis, Sime Darby, Malaysia
- 9.10 - 9.30 am C1 **Title:** Milling Efficiency  
**Speaker:** Rohaya Mohamed Halim, MPOB, Malaysia
- 9.30 - 9.50 am C2 **Title:** Scaling-down of a Dryer Silo for Palm Kernel Using the Buckingham  $\pi$  theorem  
**Speaker:** Oscar Mauricio Díaz, Palmeras de Puerto Wilches S.A, Colombia
- 9.50 - 10.10 am C3 **Title:** The Impact of Bleaching Process on Effective Reduction of Glycidylesters  
**Speaker:** Victor Vega, Oil-Dri Corporation, Illinois
- 10.10 - 10.30 am Discussion
- 10.30 - 11.00 am Refreshments/ Exhibition/ Poster Viewing

## SESSION 2 SCIENCE AND EMERGING TECHNOLOGY, ANALYTICAL AND QUALITY Chairperson: Dr. Gee Ping Tou, Palm Nutraceuticals Sdn. Bhd., Malaysia

- 11.00 - 11.30 am LP2 **Title:** Emerging Technology in Analysis of Palm Phytonutrient  
**Speaker:** Ng Mei Han, MPOB, Malaysia
- 11.30 - 11.50 am C4 **Title:** Biochemical Conversion of Oil Palm Biomass  
**Speaker:** Yoshihito Shirai, Kyushu Institute of Technology, Japan
- 11.50 - 12.10 pm C5 **Title:** Overview of Refined Bleached Deodorised Palm Oil (RBDPO) Quality and Stability undergo CPO Washing Technology  
**Speaker:** Mohammad Saiful Nidzam Ismail, Sime Darby Research Sdn. Bhd., Malaysia
- 12.10 - 12.30 pm Discussion
- 12.30 - 2.00 pm Lunch

## SESSION 3 BIOMASS AND BIOENERGY Chairperson: Dr. Loh Soh Kheang, MPOB, Malaysia

- 2.00 - 2.30 pm LP3 **Title:** Biomass Utilisation for Wood-based Industry  
**Speaker:** Paridah Md Tahir, Universiti Putra Malaysia, Malaysia
- 2.30 - 2.50 pm C6 **Title:** Thermochemical Processing of Oil Palm Residual Biomass  
**Speaker:** Alexander Gomez Mejia, Universidad Nacional de Colombia, Colombia

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2.50 - 3.10 pm	C7	<b>Title:</b> Starch in Oil Palm Trunks: Opportunities for Valorisation <b>Speaker:</b> Wolter Elbersen, Wageningen Food and Biobased Research, The Netherlands
3.10 - 3.30 pm	Refreshments/ Exhibition/ Poster Viewing	
3.30 - 3.50 pm	C8	<b>Title:</b> Industry 4.0 in Oil Palm Industry <b>Speaker:</b> Thillai Raj T Ramanathan, MIMOS Berhad, Malaysia
3.50 - 4.10 pm	C9	<b>Title:</b> Production of Compressed Biomethane Gas from Palm Oil Mill Effluent: Thailand Case Study <b>Speaker:</b> Sirichai Koonaphapdeelert, Chiang Mai University, Thailand
4.10 - 4.30 pm	C10	<b>Title:</b> Upgrading of Pyrolysis Bio-oil <b>Speaker:</b> Suzana Yusuf, Universiti Teknologi Petronas, Malaysia
4.30 - 5.00 pm	Discussion	

## THURSDAY, 21 NOVEMBER 2019

### SESSION 4 BIOFUEL

**Chairperson:** Dr. Astimar Abdul Aziz, Director Engineering and Processing Division, MPOB, Malaysia

8.30 - 9.00 am	LP4	<b>Title:</b> Prospects of Biofuels Globally <b>Speaker:</b> Mohd Farid Muhammad Said, Universiti Teknologi Malaysia, Malaysia
9.00 - 9.20 am	C11	<b>Title:</b> B10 and Higher Blend Palm Biodiesel Implementation <b>Speaker:</b> Harrison Lau Lik Nang, MPOB, Malaysia
9.20 - 9.40 am	C12	<b>Title:</b> Global Development of Biodiesel and Challenges <b>Speaker:</b> UR Unnithan, Malaysian Biodiesel Association, Malaysia
9.40 - 10.00 am	C13	<b>Title:</b> B50, One Step Ahead of Palm Biodiesel in Indonesia <b>Speaker:</b> Muhammad Ansori Nasution, Indonesian Oil Palm Research Institute, Indonesia
10.00 - 10.20 am	C14	<b>Title:</b> Production of Jet-fuel with Bio-butanol <b>Speaker:</b> Jianan Zhang, Tsinghua University, China
10.20 - 10.50 am	Refreshments/ Exhibition/ Poster Viewing	
10.50 - 11.10 am	C15	<b>Title:</b> Current Development Status of Biodiesel in Brazil/ Latin America <b>Speaker:</b> Papa Matar Ndiaye, Universidade Federal do Rio de Janeiro, Brazil
11.10 - 11.30 am	C16	<b>Title:</b> Biodiesel Programme in Colombia: Current and Future <b>Speaker:</b> Carlos Grateron, National Federation of Biofuels of Colombia, Colombia
11.30 - 12.00 pm	Discussion	
12.00 - 12.30 pm	Prize Giving Session for Poster Presenters	
12.30 - 2.00 pm	Lunch	

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### SESSION 5 ENVIRONMENT AND SUSTAINABILITY

**Chairperson:** Prof. Ir. Dr. Suzana Yusuf, Universiti Teknologi Petronas, Malaysia

2.00 - 2.30 pm	LP5	<b>Title:</b> ILUC and EU Ban on Palm Oil <b>Speaker:</b> Vijaya Subramaniam, MPOB, Malaysia
2.30 - 2.50 pm	C17	<b>Title:</b> Attaining BOD20 with a Revenue Stream using Aqua-Eco <b>Speaker:</b> Andrew Liew, Aqua Ecotech Sdn. Bhd., Malaysia
2.50 - 3.10 pm	C18	<b>Title:</b> Dissolution in Ionic Liquids: An Environmentally-sustainable Approach for the Pretreatment of Lignocellulosic Biomass <b>Speaker:</b> Douglas G. Hayes, University of Tennessee, USA
3.10 - 3.30 pm	Refreshments/ Exhibition/ Poster Viewing	
3.30 - 3.50 pm	C19	<b>Title:</b> Particulate Emission Control Technologies <b>Speaker:</b> Zainal Arif Nazir, FGV Holdings Berhad, Malaysia
3.50 - 4.10 pm	C20	<b>Title:</b> Evaluation of Odour Emission in Palm Oil Mill <b>Speaker:</b> Nastaein Qamaruz Zaman, Universiti Sains Malaysia, Malaysia
4.10 - 4.30 pm	C21	<b>Title:</b> Continous Emission Monitoring Systems on Palm Oil Mill Boilers <b>Speaker:</b> John Henning de Kock, Excel Air Engineering Sdn. Bhd., Malaysia
4.30 - 5.00 pm	Discussion	
5.00 - 5.20 pm	<b>Closing Remarks</b> by Dr. Astimar Abdul Aziz Chairperson of Chemistry, Processing Technology and Bio-Energy Conference	

THE END

