Final Announcement

MPOB INTERNATIONAL PALM OIL CONGRESS AND EXHIBITION (PIPOC) 2019

Keynote Address by
YAB Tun Dr. Mahathir Mohamad
Prime Minister of Malaysia

BALANCING SUSTAINABILITY PILLARS

19-21 NOVEMBER 2019
Kuala Lumpur Convention Centre, Kuala Lumpur, Malaysia

Organised by:
Malaysian Palm Oil Board (MPOB)
6 Persiaran Institusi, Bandar Baru Bangi, 43000 Kajang, Selangor, Malaysia
www.mpob.gov.my

HRDF Claimable
Disclaimer

Before you proceed to make payment, please take note of the following:

a) MPOB’s bank account details are as follows:

   Bank name: CIMB Islamic Bank Berhad (based in Malaysia)
   Current account no.: 8600471810

b) MPOB e-mail addresses always carry the MPOB domain,
   e.g: pipoc@mpob.gov.my

c) If you have any enquiries, please contact:

   i. Ruba’ah Masri
      (e-mail: rubaah@mpob.gov.my) or

   ii. Rusnani Abd. Majid
      (e-mail: rusnani@mpob.gov.my)

d) MPOB is not responsible for payment made to any other accounts except
   the one stated above.
Balancing Sustainability Pillars

Malaysian Palm Oil Board (MPOB) invites you to MPOB International Palm Oil Congress and Exhibition (PIPOC) 2019. PIPOC once again will be held on 19-21 November 2019 at the Kuala Lumpur Convention Center (KLCC), which offers an excellent environment for conferences and exhibitions, all in one place. PIPOC 2017, known as the world’s largest palm oil technical and trade congregation, has attracted more than 6000 participants and trade visitors from over 40 countries.

The biennial PIPOC organised by MPOB has five concurrent conferences. The Congress provides a strategic platform for interaction and in-depth deliberation on various aspects related to palm oil industry, including innovations, latest policy developments, challenges and the way forward for the industry. Participants will gain valuable opportunities to explore latest advancements in the technologies related to the palm oil industry.

The Congress will also be hosting a trade exhibition that occupies more than 400 exhibition booths, providing delegates with the opportunities to view and discuss current technologies, state-of-the art equipment and products related to the oils and fats industry. The exhibition provides excellent networking opportunities for all attendees and participating exhibitors.

The PIPOC 2019 theme ‘Balancing Sustainability Pillars’ is based on the concept of 3Ps (Planet, People and Profit), which will focus on the latest science, research and practices for a sustainable production, versatility of applications in both edible and non-edible sectors and as a formidable player in global oils and fats market. Balancing of these 3Ps covering various activities in the complete chain of palm oil industry is needed to ensure an ideal and sustainable development can be implemented continuously.

We are anticipating PIPOC 2019 to attract more than 7000 participants and trade visitors from various disciplines including researchers, planters, millers, academicians, students, traders, export personnel and policy makers.

We welcome you to take this great opportunity to participate in this Congress to learn from experts and to share your knowledge and experience on matters related to the palm oil industry as well as to expand your networking with those working in the field of oils and fats businesses.

We would also encourage you to plan an extended visit to Malaysia to explore and experience the amazing and beautiful scenic destinations of our country and its people along with its tasty and delightful food.

Thank you, and we look forward to your confirmation and active participation.

With Best Wishes,

Director-General
Malaysian Palm Oil Board

INVITATION PIPOC 2019
# TENTATIVE PROGRAMME

<table>
<thead>
<tr>
<th>Day/Date</th>
<th>Activity</th>
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<tbody>
<tr>
<td><strong>SUNDAY</strong></td>
<td><strong>17 NOVEMBER 2019</strong></td>
</tr>
<tr>
<td>10.00 am - 6.00 pm</td>
<td>Congress Pre-Registration</td>
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<tr>
<td>10.00 am - 6.00 pm</td>
<td>Technical Tour Registration</td>
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<tr>
<td>1.30 pm</td>
<td>Golf Tournament</td>
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<tr>
<td><strong>MONDAY</strong></td>
<td><strong>18 NOVEMBER 2019</strong></td>
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<tr>
<td>7.00 am</td>
<td>Technical Tour</td>
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<tr>
<td>7.30 am - 6.00 pm</td>
<td>ISOPB-MPOB International Seminar on Breeding for <em>Ganoderma</em> Tolerance in Oil Palm</td>
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<tr>
<td>8.00 am - 6.00 pm</td>
<td>Congress Pre-registration</td>
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<tr>
<td>4.00 pm - 6.00 pm</td>
<td>Welcome Reception</td>
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<tr>
<td><strong>TUESDAY</strong></td>
<td><strong>19 NOVEMBER 2019</strong></td>
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<tr>
<td>8.00 am</td>
<td>Congress Registration</td>
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<tr>
<td>9.00 am</td>
<td>Arrival of Participants and Guests</td>
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<tr>
<td>9.30 am</td>
<td>Arrival of YB Minister of Primary Industries, Malaysia</td>
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<tr>
<td>10.00 am</td>
<td>Arrival of YAB Prime Minister of Malaysia</td>
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<tr>
<td>10.10 am</td>
<td><strong>Welcome Remarks by YB Puan Teresa Kok</strong></td>
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<td>Minister of Primary Industries, Malaysia</td>
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<tr>
<td>10.20 am</td>
<td><strong>Keynote Address by YAB Tun Dr. Mahathir Mohamad</strong></td>
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<td>Prime Minister of Malaysia</td>
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<tr>
<td>10.40 am</td>
<td>Exhibition/ Posters Viewing</td>
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<td>12.30 pm</td>
<td>Lunch</td>
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<td>2.00 pm</td>
<td>Plenary Lectures</td>
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<td>5.30 pm</td>
<td>Exhibition/ Posters Viewing</td>
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<td>8.00 pm</td>
<td>Congress Dinner</td>
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<tr>
<td><strong>WEDNESDAY</strong></td>
<td><strong>20 NOVEMBER 2019</strong></td>
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<tr>
<td>8.30 am - 5.30 pm</td>
<td><strong>Concurrent Conferences:</strong></td>
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<td></td>
<td>• Agriculture, Biotechnology &amp; Sustainability Conference</td>
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<td>• Chemistry, Processing Technology &amp; Bio-Energy Conference</td>
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<td>• Oleo &amp; Specialty Chemicals Conference</td>
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<td>• Global Economics &amp; Marketing Conference</td>
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<td>• Food, Health &amp; Nutrition Conference</td>
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<td><strong>THURSDAY</strong></td>
<td><strong>21 NOVEMBER 2019</strong></td>
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<td></td>
<td>• Global Economics &amp; Marketing Conference</td>
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<td>• Food, Health &amp; Nutrition Conference</td>
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THE CONGRESS

The Congress features five concurrent conferences covering upstream, midstream, oleochemicals & specialty chemicals; food, health & nutrition and global economics & marketing.

A keynote address will be delivered by the Honourable Prime Minister of Malaysia, Tun Dr. Mahathir Mohamad. Six plenary lectures will be held in the afternoon of 19 November 2019. The lectures will cover various topics of interest in line with the theme of the Congress.

Objectives:
• To discuss strategic R&D findings in all aspects of the oil palm and palm oil industry worldwide;
• To adopt recent technological findings that will improve the oil palm/palm oil industry; and
• To formulate strategies towards enhanced sustainability, competitiveness, automation and policies on trade, market trends and trade challenges.

THE VENUE

Situated at the heart of Kuala Lumpur’s central business district, the Kuala Lumpur Convention Centre (KLCC) is the city’s most technologically advanced, purpose-built facility for international, regional and local conventions, trade shows, public exhibitions, entertainment and private functions. Designed as a ‘city within a city’, KLCC offers a stimulating environment where one can work, live, shop, visit and enjoy life. Other components include a 25-ha park, the signature PETRONAS Twin Towers, the Asy’Syakirin Mosque, six-storey Suria KLCC shopping centre, PETROSAINS interactive science discovery centre, Galeri PETRONAS and the Dewan Filharmonik PETRONAS, home of the Malaysian Philharmonic Orchestra.

THE LANGUAGE

English is the official language of the Congress.

WHO SHOULD ATTEND

PIPOC 2019 caters for those involved in the oil palm, palm oil and other oils and fats industry including R&D personnel, scientists, planters, millers, traders, processors, manufacturers, economists, policy makers and academicians. The Congress will be especially useful for networking with your peers in the oils and fats industry while exchanging views and sharing new ideas.

CONGRESS ATTIRE

Office attire/ smart casual.
RELATED INTEREST

EXHIBITION

A trade exhibition will be held concurrently during the MPOB International Palm Oil Congress and Exhibition (PIPOC 2019) on 19-21 November 2019. This has become the avenue for making contacts and networking and the best way to promote products, equipment and services to attract new clients and decision-makers worldwide especially in the palm oil/oil palm industry.

Participating at PIPOC 2019 Exhibition will provide wide business opportunities in this highly competitive market by:

• discussing your products with your new and existing clients;
• launching new products and services;
• gaining new contracts and obtaining new leads;
• meeting existing and potential working partners;
• and much more ...

About 80% of booths have already been booked. Latest updates and information, please go to: http://pipoc.mpob.gov.my.

For registration or enquiry, please contact: afiqah.kamal@mpob.gov.my or Tel: +603-8769 4422

GOLF

PIPOC Golf Tournament 2019 will be held on Sunday, 17 November 2019 (1.30 pm) at the Glenmarie Golf & Country Club. A fee of RM 450 (USD 169) is applicable. The game is open to interested participants and their guests.

Glenmarie Golf & Country Club is located just 21 km from the heart of Kuala Lumpur. Glenmarie Golf & Country Club boasts a lavish 36-hole golf course designed by American hand master, Max Wexler. The Garden Course which is a renowned as a resort course and the Valley Course known as a championship course, provide the perfect combination of golf courses for golfers of all backgrounds.

For further information, please contact:

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mohd.hefni@mpob.gov.my
Tel: +603-8769 4473
+6011-1624 3302
Fax: +603-8925 8215

Mohd Naim Hamid
mdnaim@mpob.gov.my
Tel: +603-8769 4515
+6019-2400 048
Fax: +603-8925 9652

CONGRESS DINNER

An evening not to be missed: Participants are invited to attend the Congress Dinner on 19 November 2019, showcasing a live entertainment featuring the multicultural heritage of Malaysia. Participants may purchase extra tickets at RM 230 [Malaysian] or USD 85 [Non-Malaysian] per person for accompanying spouse and guest.
Technical tours to selected establishments will be conducted on Monday, **18 November 2019**. Participants may select one of the following options:

<table>
<thead>
<tr>
<th>OPTION</th>
<th>TOUR</th>
<th>FEE</th>
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</thead>
<tbody>
<tr>
<td>A1: Plantation</td>
<td>Sime Darby Plantation, Jl. Emas, Pulau Carey, Selangor</td>
<td><strong>SOLD OUT</strong></td>
</tr>
<tr>
<td>A2: Plantation</td>
<td>Pusat Pertanian Tun Razak, FELDA Jengka 21, Jerantut, Pahang</td>
<td><strong>Malaysian (RM) 450</strong></td>
</tr>
<tr>
<td>B1: Biogas</td>
<td>Kilang Sawit Feds, Tunjung Tangi, Kuala Kubu Baru, Selangor</td>
<td><strong>CLOSED</strong></td>
</tr>
<tr>
<td>C: General Research Station</td>
<td>Stesen Penyelidikan MPOB Keratong, Bandar Tun Razak, Pahang</td>
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<tr>
<td>D: Smallholders</td>
<td>Pekebun Kecil Tn. Haji Hashim Sdn., Lot 2619, Jalan Masjuf, Kg. Timah Muda, Klang, Selangor</td>
<td><strong>CLOSED</strong></td>
</tr>
<tr>
<td>E: Oleochemical Plant</td>
<td>Emery Oleochemical (M) Sdn. Bhd., Telok Panglima Garang, Selangor</td>
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</tbody>
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For further enquiries, please contact:

- **Julia Madzuin Muda**  
  julia@mpob.gov.my  
  Tel: +603-8769 4512  
  Fax: +603-8925 2850

- **Mohd Ramzan Rusli**  
  ramzan@mpob.gov.my  
  Tel: +603-8769 4435  
  Fax: +603-8925 2850

Seats are limited and will be based on first come, first served basis with full payment.
FEES

CONGRESS REGISTRATION FEE *

<table>
<thead>
<tr>
<th></th>
<th>Standard</th>
<th>Walk-in</th>
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</thead>
<tbody>
<tr>
<td>Participant **</td>
<td>RM 3200 (USD 1200)</td>
<td>RM 3500 (USD 1300)</td>
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<tr>
<td>Poster Presenter</td>
<td>RM 1600 (USD 600)</td>
<td>NA</td>
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<tr>
<td>Student</td>
<td>RM 960 (USD 360)</td>
<td>RM 1100 (USD 450)</td>
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<tr>
<td>Licensee</td>
<td>RM 2800</td>
<td>RM 3100</td>
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</tbody>
</table>

**5% discounts for group registrations of 5 and more (standard participant only).**

* Inclusive of book of abstracts, refreshments, lunches and congress dinner.

** To enjoy 5% group discount (5 participants and above), registration must be submitted manually by e-mail the Registration Form to the Secretariat.

TERMS AND CONDITIONS

- Request for cancellation must be made in writing.
- 100% refund will be made for written cancellation received before 1 August 2019. Refund will be issued after the Congress.
- No refund will be given for cancellation received after 1 August 2019. However, replacement is acceptable and please forward the name to MPOB.
## PIPOC 2019: TENTATIVE PROGRAM

**TUESDAY, 19 NOVEMBER 2019**

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<thead>
<tr>
<th>TIME</th>
<th>ACTIVITY</th>
<th>VENUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.00 am - 6.00 pm</td>
<td>Congress Registration</td>
<td>L3: Banquet Hall</td>
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<tr>
<td>9.00 am</td>
<td>Arrival of Participants and Guests</td>
<td>L1: Plenary Hall</td>
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<tr>
<td>9.30 am</td>
<td>Arrival of YB Minister of Primary Industries, Malaysia</td>
<td>L1: Auditorium</td>
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<tr>
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<td>L1: Auditorium</td>
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<tr>
<td>12.30 pm</td>
<td>Lunch</td>
<td>LP1: Exhibition Hall 6</td>
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<tr>
<td>2.00 pm</td>
<td><strong>PL1: Agriculture, Biotechnology &amp; Sustainability Conference</strong></td>
<td>L1: Auditorium</td>
</tr>
<tr>
<td></td>
<td><strong>Title</strong>: Sustainable Development of Oil Palm through Enhancing Conservation Practices</td>
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<td></td>
<td><strong>Speaker</strong>: TBC</td>
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<td></td>
<td><strong>Chairperson</strong>: Mr. R. Thayarakannathan, Sime Darby Plantation Berhad, Malaysia</td>
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<tr>
<td>2.30 pm</td>
<td><strong>PL2: Chemistry, Processing Technology &amp; Bio-Energy Conference</strong></td>
<td>L1: Auditorium</td>
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<tr>
<td></td>
<td><strong>Title</strong>: Promotion of Green Economy with Palm Oil Industry for Biodiversity Conservation in Malaysia</td>
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<tr>
<td></td>
<td><strong>Speaker</strong>: Prof. Dr. Yoshihito Shirai, Kyushu Institute of Technology, Japan</td>
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<td><strong>Chairperson</strong>: Prof. Dato’ Dr. Mohd Ali Hassan, Universiti Putra Malaysia, Malaysia</td>
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<tr>
<td>3.00 pm</td>
<td><strong>PL3: Oleo &amp; Specialty Chemicals Conference</strong></td>
<td>L1: Auditorium</td>
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<td><strong>Title</strong>: Sustainable Green Chemistry</td>
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<td><strong>Speaker</strong>: Prof. Paul Anastas, Yale University, USA</td>
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<td><strong>Chairperson</strong>: Prof. Suresh Narine, Trent University, Canada</td>
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<tr>
<td>3.30 pm</td>
<td>Refreshments/ Exhibition/ Poster Viewing</td>
<td>GL: Exhibition Hall 1,2,3,4 &amp; 5 Foyer 1,2,4 &amp; 5</td>
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<tr>
<td>4.00 pm</td>
<td><strong>PL4: Food, Health &amp; Nutrition Conference</strong></td>
<td>L1: Auditorium</td>
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<td><strong>Title</strong>: TBC</td>
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<td></td>
<td><strong>Speaker</strong>: Prof. Dr. Noor Hassim Ismail, Pusat Perubatan Universiti Kebangsaan Malaysia, Malaysia</td>
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<td><strong>Chairperson</strong>: Prof. Dr. Tony Ng Kok Wai, Universiti Tunku Abdul Rahman, Kampar, Malaysia</td>
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<tr>
<td>4.30 pm</td>
<td><strong>PL5: Global Economics &amp; Marketing Conference</strong></td>
<td>L1: Auditorium</td>
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<tr>
<td></td>
<td><strong>Title</strong>: Palm Oil Driver of Economic Sustainability</td>
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<td><strong>Speaker</strong>: Dr. Sathia Varqa, Palm Oil Analytics, Singapore</td>
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<td><strong>Chairperson</strong>: Datuk Mohamad Nageeb Ahmad Abdul Wahab, Malaysian Palm Oil Association, Malaysia</td>
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<tr>
<td>5.00 pm</td>
<td><strong>PL6: Policy Implementation for Economics Sustainability of Palm Oil</strong></td>
<td>L1: Auditorium</td>
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<tr>
<td></td>
<td><strong>Title</strong>: Policy Implementation for Economics Sustainability on Palm Oil</td>
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<td><strong>Speaker</strong>: Dato’ Dr. Tan Yew Chong, Ministry of Primary Industries, Malaysia</td>
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<td><strong>Chairperson</strong>: Dr. Ahmad Parveez Ghulam Kadir, Deputy Director-General (R&amp;D), MPOB, Malaysia</td>
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<tr>
<td>8.00 pm</td>
<td>Congress Dinner</td>
<td>L3: Ballroom 1 &amp; 2</td>
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</table>
AGRICULTURE, BIOTECHNOLOGY & SUSTAINABILITY (ABS) CONFERENCE

WEDNESDAY, 20 NOVEMBER 2019

8.30 am Welcome Remarks by Dr. Mohamad Arif Abd Manaf
Chairperson of Agriculture, Biotechnology and Sustainability Conference

8.40 - 9.10 am Lead Paper
 SESSION 1 – AGRICULTURE
Title: Revolutionising Upstream Sector of Oil Palm Industry
Speaker: Director-General, MPOB, Malaysia
Chairperson: Dr. Carl Traeholt, Copenhagen Zoo, Denmark

SESSION 1A:
STRENGTHENING UPSTREAM MANAGEMENT PRACTICES
Chairperson: Mr. R. Thayaparakanthan, Sime Darby Plantation Berhad, Malaysia

9.10 - 9.30 am A1
Title: Sustainability Practices of Integrated Approach for Management of Ganoderma and Major Insect Pests to Increase Oil Palm Productivity
Speaker: Idris Abu Seman, MPOB, Malaysia

9.30 - 9.50 am A2
Title: Mechanisation Option: To Optimise Productivity and Soil Fertility
Speaker: Patrick Ng Hong Chuan, Applied Agricultural Resources Sdn. Bhd., Malaysia

9.50 - 10.10 am A3
Title: How to Reach 10 Tons of Oil Per Hectare Per Year: Induction of High Oleic Oil Production from Parthenocarpic Fruits in Oil Palm OxG Interspecific Hybrids
Speaker: Hernán Mauricio Romero, Cenipalma, Colombia

10.10 - 10.30 am Discussion
10.30 - 11.00 am Refreshments/ Exhibition/ Poster Viewing

SESSION 1B:
ENHANCING CROP BIOSECURITY AND INTEGRATED PEST MANAGEMENT (IPM)
Chairperson: Dr. Norman Kamarudin, International Society of Oil Palm Agronomists, Malaysia

11.00 - 11.20 am A4
Title: Biosecurity Risk Management and Emergency Response Plan for the Malaysian Oil Palm Industry
Speaker: Mohd Hefni Rusli, MPOB, Malaysia

11.20 - 11.40 am A5
Title: Weevil Stem Borer and Mesocarp-eating Beetle: New Threat to Oil Palm Plantations in Indonesia
Speaker: Hari Priwratama, Indonesian Oil Palm Research Institute, Indonesia

11.40 - 12.00 pm A6
Title: Management of Oil Palm Bunch Moth (Tirathaba mundella Walker) in Young Mature Oil Palm Planted on Peat
Speaker: Su Chong Ming, Sarawak Oil Palm Berhad, Malaysia

12.00 – 12.30 pm Discussion
12.30 - 2.00 pm Lunch

SESSION 1C:
SYSTEMS AND TECHNOLOGICAL ADVANCEMENTS FOR PRODUCTIVITY
Chairperson: Mr. Ho Shui Hing, United Plantations Berhad, Malaysia

2.00 - 2.20 pm A7
Title: Remote Sensing for Aerial Detection of Ganoderma Basal Stem Rot Disease and Bagworm Infestation in Oil Palm
Speaker: Mohamad Izzudin Anuar, MPOB, Malaysia
### SESSION 2 – BIOTECHNOLOGY

**Title:** Disruptive Technologies: Impact on Crop Improvement  
**Speaker:** Yang Chang-Hsien, National Chung Hsing University, Taiwan  
**Chairperson:** Dr. Ruslan Abdullah, Malaysian Palm Oil Council, Malaysia

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
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<th>Location</th>
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<tbody>
<tr>
<td>3.20 pm</td>
<td>Lead Paper</td>
<td><strong>SESSION 2 – BIOTECHNOLOGY</strong></td>
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<tr>
<td>3.50 pm</td>
<td>A9</td>
<td><strong>Title:</strong> Digital Image Recognition for Palm Counting</td>
<td><strong>Speaker:</strong> Mohd Firdaus Asari, Sime Darby Plantation Berhad, Malaysia</td>
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<tr>
<td>3.20 – 3.50 pm</td>
<td>Refreshments/ Exhibition/ Poster Viewing</td>
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<tr>
<td>3.50 – 4.20 pm</td>
<td>A10</td>
<td><strong>Title:</strong> Harnessing Data for Oil Palm Improvement</td>
<td><strong>Speaker:</strong> Zulkifli Yaakub, MPOB, Malaysia</td>
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<td>4.20 pm</td>
<td>A10</td>
<td><strong>Title:</strong> Advances in Oil Palm Genomic Selection</td>
<td><strong>Speaker:</strong> David Cros, CIRAD, France</td>
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<tr>
<td>4.40 pm</td>
<td>A11</td>
<td><strong>Title:</strong> Nanotechnology Application in Detection of Oil Palm Diseases: DNA-Nanoparticle Conjugates as Convenient, Portable and Affordable <em>Ganoderma</em> Diagnostics</td>
<td><strong>Speaker:</strong> Wong Lu Shin, The University of Manchester, United Kingdom</td>
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<tr>
<td>5.20 pm</td>
<td>A12</td>
<td><strong>Title:</strong> Nanotechnology Application in Detection of Oil Palm Diseases: DNA-Nanoparticle Conjugates as Convenient, Portable and Affordable <em>Ganoderma</em> Diagnostics</td>
<td><strong>Speaker:</strong> Wong Lu Shin, The University of Manchester, United Kingdom</td>
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<tr>
<td>5.20 – 5.40 pm</td>
<td>Discussion</td>
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### THURSDAY, 21 NOVEMBER 2019

**SESSION 2B:** ADVANCING SCIENCE, SHIFTING PARADIGMS  
**Chairperson:** Dr. Rajinder Singh, MPOB, Malaysia

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<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>8.30 am</td>
<td>A13</td>
<td><strong>Title:</strong> Challenges in the Application of SureSawit™ Shell</td>
<td><strong>Speaker:</strong> Leslie Ooi Cheng-Li, MPOB, Malaysia</td>
<td></td>
</tr>
<tr>
<td>8.50 am</td>
<td>A14</td>
<td><strong>Title:</strong> Traceability-Blockchain Technology</td>
<td><strong>Speaker:</strong> Bridie Ohlsson, Geora Ltd., Australia</td>
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<tr>
<td>9.10 am</td>
<td>A15</td>
<td><strong>Title:</strong> Designing and Executing Optimise Breeding Programme</td>
<td><strong>Speaker:</strong> Steven Tanksley, Cornell University, USA</td>
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<tr>
<td>9.30 am</td>
<td>Discussion</td>
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<tr>
<td>9.50 am</td>
<td>Lead Paper</td>
<td><strong>SESSION 3 – SUSTAINABILITY</strong></td>
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<tr>
<td>10.20 am</td>
<td>A13</td>
<td><strong>Title:</strong> The Sustainability Pledge: Realising the Potential</td>
<td><strong>Speaker:</strong> Carl Traeholt, Copenhagen Zoo, Denmark</td>
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</tr>
<tr>
<td>10.50 am</td>
<td>A13</td>
<td><strong>Title:</strong> The Sustainability Pledge: Realising the Potential</td>
<td><strong>Speaker:</strong> Carl Traeholt, Copenhagen Zoo, Denmark</td>
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<tr>
<td>10.50 – 11.10 am</td>
<td>Prize Giving Session for Poster Presenters</td>
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### SESSION 3A: ENSURING SUSTAINABLE PRACTICES IN OIL PALM MANAGEMENT

**Chairperson:** Assoc. Prof. Dr. Khairuddin Idris, Universiti Putra Malaysia, Malaysia

<table>
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<th>Time</th>
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<th>Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>11.10 - 11.30 am</td>
<td>A16</td>
<td>The Role of Social Capital to Increase Productivity among Oil Palm Planters</td>
<td>Abdul Razak Abdul Rahman, Universiti Putra Malaysia, Malaysia</td>
<td></td>
</tr>
<tr>
<td>11.30 - 11.50 am</td>
<td>A17</td>
<td>How Does MSPO Benefit Wildlife Conservation</td>
<td>Norfariza Mohd Khalid, PERHILITAN, Malaysia</td>
<td></td>
</tr>
<tr>
<td>11.50 - 12.10 pm</td>
<td>A18</td>
<td>Development of Sustainable Management of Leaf-eating Pests of South-East Asian Oil Palms - A Historical Perspective in Relation to Outbreak Causation</td>
<td>Brian J Wood, Independent Consultant in Tropical Agricultural Research, United Kingdom</td>
<td></td>
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</tbody>
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12.10 – 12.30 pm Discussion

12.30 - 2.00 pm Lunch

### SESSION 3B: ENHANCING BIODIVERSITY AND GHG ISSUES IN OIL PALM

**Chairperson:** Assoc. Prof. Dr. Abdul Rahman Abdul Rahim, Universiti Teknologi MARA, Malaysia

<table>
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<th>Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>2.00 - 2.20 pm</td>
<td>A19</td>
<td>Impact on Intergration of Cattle in Improving Bird Biodiversity</td>
<td>Kamil Azmi Tohiran, MPOB, Malaysia</td>
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<tr>
<td>2.20 - 2.40 pm</td>
<td>A20</td>
<td>Responsible Management of Tropical Peatland</td>
<td>Sim Siong Fong, Universiti Malaysia Sarawak, Malaysia</td>
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<tr>
<td>2.40 - 3.00 pm</td>
<td>A21</td>
<td>Microbial Biodiversity in Peatland for Ecosystem Functioning</td>
<td>Kim Yrjälä, University of Helsinki, Finland</td>
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</tbody>
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3.00 - 3.20 pm Discussion

3.20 - 3.50 pm Refreshments/ Exhibition/ Poster Viewing

### SESSION 4 – ABS FORUM: Data and Technology Driving Change in the Oil Palm Industry

**Moderator:** Dr. Ruslan Abdullah ( Malaysian Palm Oil Council, Malaysia)

3.50 - 5.20 pm **Scope:**
1. Addressing stagnant yields
2. Technology adoption

**Panel Discussion:**
1. Mr. Teoh Cheng Hai (International Finance Corporation, Malaysia)
2. Mr. Azizi Meor Ngah (Foodchain, Malaysia)
3. TBC

**Forum Coordinator:** Dr. Meilina Ong Abdullah, MPOB, Malaysia

5.20 – 5.30 pm **Closing Remarks** by Dr. Mohamad Arif Abd Manaf
Chairperson of Agriculture, Biotechnology and Sustainability Conference

THE END
**WEDNESDAY, 20 NOVEMBER 2019**

**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 π 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

### 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

### 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
Balancing Sustainability Pillars

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

2.50 - 3.10 pm C7  Title: Starch in Oil Palm Trunks: Opportunities for Valorisation  
Speaker: Wolter Elbersen, Wageningen Food and Biobased Research, The Netherlands

3.10 - 3.30 pm  Refreshments/ Exhibition/ Poster Viewing

3.30 - 3.50 pm C8  Title: Industry 4.0 in Oil Palm Industry  
Speaker: Thillai Raj T Ramanathan, MIMOS Berhad, Malaysia

3.50 - 4.10 pm C9  Title: Production of Compressed Biomethane Gas from Palm Oil Mill Effluent: Thailand Case Study  
Speaker: Sirichai Koonaphapdeelert, Chiang Mai University, Thailand

4.10 - 4.30 pm C10  Title: Upgrading of Pyrolysis Bio-oil  
Speaker: 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  Title: Prospects of Biofuels Globally  
Speaker: Mohd Farid Muhammad Said, Universiti Teknologi Malaysia, Malaysia

9.00 - 9.20 am C11  Title: B10 and Higher Blend Palm Biodiesel Implementation  
Speaker: Harrison Lau Lik Nang, MPOB, Malaysia

9.20 - 9.40 am C12  Title: Global Development of Biodiesel and Challenges  
Speaker: UR Unnithan, Malaysian Biodiesel Association, Malaysia

9.40 - 10.00 am C13  Title: B50, One Step Ahead of Palm Biodiesel in Indonesia  
Speaker: Muhammad Ansori Nasution, Indonesian Oil Palm Research Institute, Indonesia

10.00 - 10.20 am C14  Title: Production of Jet-fuel with Bio-butanol  
Speaker: Jianan Zhang, Tsinghua University, China

10.20 - 10.50 am  Refreshments/ Exhibition/ Poster Viewing

10.50 - 11.10 am C15  Title: Current Development Status of Biodiesel in Brazil/ Latin America  
Speaker: Papa Matar Ndiaye, Universidade Federal do Rio de Janeiro, Brazil

10.10 - 11.30 am C16  Title: Biodiesel Programme in Colombia: Current and Future  
Speaker: 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
### CHEMISTRY, PROCESSING TECHNOLOGY & BIO-ENERGY (CPTB) CONFERENCE

#### SESSION 5
**ENVIRONMENT AND SUSTAINABILITY**  
Chairperson: Prof. Ir. Dr. Suzana Yusuf, Universiti Teknologi Petronas, Malaysia

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

8.40 - 9.10 am  LP1  SESSION 1
Title: Managing Advances and Breakthroughs in Oleochemicals for Sustainable Supply Chain
Speaker: Zainab Idris, MPOB, Malaysia

9.10 - 9.30 am  OS1  SESSION 1
Title: Microbial Biosurfactants: Current Trend and Future Applications in Relation to the Palm Oil Industries
Speaker: Ibrahim Banat, University of Ulster, United Kingdom

9.30 - 9.50 am  OS2  SESSION 1
Title: Sustainable Microbial Degradation of Palm Oil in Natural Seawater and Identification of Bacterial Consortium
Speaker: Kesaven Bhubalan, Universiti Malaysia Terengganu, Malaysia

9.50 - 10.10 am  OS3  SESSION 1
Title: Vision for a Palm Oleochemical Biorefinery
Speaker: Patrick Foley, P2 Science, USA

10.10 - 10.30 am  Discussion

10.30 - 11.00 am  Refreshments/ Exhibition/ Poster Viewing

11.00 - 11.30 am  LP2  SESSION 2
Title: Bio-based Surfactants: An Expanding Product Sector Ripe for Opportunities for Oil Palm
Speaker: Douglas G. Hayes, University of Tennessee, USA

11.30 - 11.50 am  OS4  SESSION 2
Title: Enzymatic Synthesis of Sugar Alcohol Esters as Non-Ionic Bio-based Surfactant
Speaker: Arniza Mohd Zan, MPOB, Malaysia

11.50 - 12.10 pm  OS5  SESSION 2
Title: Glycerol-mediated Synthesis of TiO2 Photocatalyst
Speaker: Chong Fai Kait, Universiti Teknologi Petronas, Malaysia

12.10 - 12.30 pm  Discussion

12.30 - 2.00 pm  Lunch

2.00 - 2.20 pm  OS6  SESSION 2
Title: Thermoplastic Urethanes: Odd-Even Effect of Diol Chain Length of Azelate Polyols
Speaker: Tuan Noor Maznee Tuan Ismail, MPOB, Malaysia
OLEO & SPECIALTY CHEMICALS (OSC) CONFERENCE

2.20 - 2.40 pm OS7  Title: Enhanced Biosurfactant Production and Exploitation - A Platform Approach  
Speaker: James Winterburn, Holiferm, Manchester, United Kingdom

2.40 - 3.00 pm OS8  Title: A Perspective on Catalytic Conversion of Glycerol to Value Added Chemicals  
Speaker: Zaki Yamani Zakaria, Universiti Teknologi Malaysia, Malaysia

3.00 - 3.20 pm Discussion

3.20 - 3.50 pm Refreshments/ Exhibition/ Poster Viewing

SESSION 3  
TITLE: OLEO CHEMICALS FOR SUSTAINABLE CONSUMER PRODUCTS  
Chairperson: Prof. Douglas G. Hayes, University of Tennessee, USA

3.50 - 4.20 pm LP3  SESSION 3  
Title: Transformative Lubricants and Energy Storage Materials from Vegetable Oils  
Speaker: Suresh Narine, Trent University, Canada

4.20 - 4.40 pm OS9  Title: Palm-based Microemulsion for Consumer Products  
Speaker: Ismail Ab. Rahman, MPOB, Malaysia

4.40 - 5.00 pm OS10  Title: Sustainable Use of Palm Oil-based Surfactants for Detergents  
Speaker: Fumiya Niikura, Lion Corporation, Japan

5.00 - 5.20 pm OS11  Title: Clinical Dermatology: Topical Application of Palm Tocotrienol Enhances Cutaneous Wound Healing in Diabetes  
Speaker: Zaizuhana Shahrim, MPOB, Malaysia

5.20 - 5.40 pm Discussion

THURSDAY, 21 NOVEMBER 2019

SESSION 4A  
TITLE: CUTTING EDGE TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT  
Chairperson: Mr. Abu Talib Abd Rahman, Lekir Energy Sdn. Bhd., Malaysia

8.30 - 9.00 am LP4  SESSION 4  
Title: Novel Technology for Sustainable Oleochemical Industry  
Speaker: Taku Mimura, Kao, Japan

9.00 - 9.20 am OS12  Title: Innovation in Surfactant  
Speaker: Sunil Bhagwat, Institute of Chemical Technology, India

9.20 - 9.40 am OS13  Title: Development of Radiation Induced Fibrous Catalyst for Oleochemical Applications  
Speaker: Nor Hasimah Mohamed, Malaysian Nuclear Agency, Malaysia

9.40 - 10.00 am OS14  Title: Leveraging Modelling for Palm Oil Conversion Profitability and Sustainability  
Speaker: Ron Beck, AspenTech, USA

10.00 - 10.20 am Discussion

10.20 - 10.50 am Refreshments/ Exhibition/ Poster Viewing
SESSION 4B
TITLE: CUTTING EDGE TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT
Chairperson: Mr. Abu Talib Abd Rahman, Lekir Energy Sdn. Bhd., Malaysia

10.50 - 11.10 am OS15  Title: Dividing Wall Column for Fatty Acids Fractionation  
Speaker: Yang Quan, Sulzer, Singapore

11.10 - 11.30 am OS16  Title: Glycerine to Epichlorohydrin Technology  
Speaker: Marc Manyeres, TechnipFMC, France

11.30 - 11.50 am OS17  Title: Enzymes for Esterification and Hydrolysis at Industrial Scale  
Speaker: Hans Christian Holm, Novozymes, Denmark

11.50 - 12.10 pm Discussion

12.10 - 12.30 pm Prize Giving Session for Poster Presenters

12.30 - 2.00 pm Lunch

OSC FORUM
BALANCING SUSTAINABILITY PILLARS FOR PALM OLEOCHEMICALS
Moderator: Prof. Paul Anastas, Yale University, USA

2.00 - 5.00 pm  Panel Discussion:
1. Mr. Cheng Yin Tiong (Lipidchem, Malaysia)
3. Mr. Neil A Burns (P2 Science, USA)

5.00 - 5.30 pm  Closing Remarks by Dr. Zainab Idris  
Chairperson of Oleo and Specialty Chemical Conference

THE END
FOOD, HEALTH & NUTRITION (FHN) CONFERENCE

WEDNESDAY, 20 NOVEMBER 2019

8.30 - 8.40 am Welcome Remarks by Rosidah Radzian, Chairperson of Food, Health and Nutrition Conference

SESSION 1
FOOD & FEED INNOVATION
Chairperson: Dr. Noor Lida Habi Mat Dian, MPOB, Malaysia

8.40 - 9.10 am  LP1
Title: Balancing Fat Composition in Commercial Foods: New Frontiers in Food Innovation
Speaker: Mahinda Abeywardena, CSIRO - Health and Biosecurity, Australia

9.10 - 9.30 am  F1
Title: TBC
Speaker: TBC

9.30 - 9.50 am  F2
Title: Enzymatic Synthesis, Encapsulation and Anti-obesity Effect of Palm-based Medium-and Long-chain Triacylglycerol Functional Oil
Speaker: Lee Yee Ying, Monash University, Malaysia

9.50 - 10.10 am  F3
Title: Production of Palm and Palm Kernel Oil Based Specialty Fats through Fractionation and Interesterification
Speaker: Liew Sin Lu, Desmet Ballestra (M) Sdn. Bhd., Malaysia

10.10 - 10.30 am Discussion

10.30 - 11.00 am Refreshment/ Exhibition/ Poster Viewing

11.00 - 11.20 am  F4
Title: Engineering CBE Properties to Create a True Cocoa Butter Mimetic from Palm Midfraction and Shea Stearin: The Key Role of POS
Speaker: Alejandro Gregorio Marangoni, University of Guelph, Canada

11.20 - 11.40 am F5
Title: Development and Characterisation of Nanoemulsions Modulated by Nanofibrils Network and Emulsifiers with Different Stabilising Mechanisms
Speaker: Tan Chin Ping, Universiti Putra Malaysia, Malaysia

11.40 - 12.00 pm F6
Title: Improving Livestock Production and Mitigating the Environmental Impact of Animal Agriculture through Sustainable Feed Sources from Oil Palm
Speakers: Goh Yong Meng, Universiti Putra Malaysia, Malaysia

12.00 - 12.20 pm F7
Title: Palm Oil as a Sustainable Lipid Source in the Global Aquaculture Feed Industry
Speaker: Ng Wing Keong, Universiti Sains Malaysia, Malaysia

12.20 - 12.30 pm Discussion

12.30 - 2.00 pm Lunch

SESSION 2
FOOD SAFETY AND QUALITY
Chairperson: Ms. Norrani Eksan, Ministry of Health, Malaysia

2.00 - 2.30 pm  LP2
Title: Management of Food Safety and Quality in Oil Palm Supply Chain in Malaysia
Speaker: Rosidah Radzian, MPOB, Malaysia

2.30 - 2.50 pm F8
Title: CPO Washing to Produce Low 3-MCPD Oil: Sime Darby Experience
Speaker: Nik Mohd Farid Mat Yasin, Sime Darby Research Sdn. Bhd., Malaysia
## FOOD, HEALTH & NUTRITION (FHN) CONFERENCE

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<tr>
<td>2.50 - 3.10 pm F9</td>
<td>Title: Development of Precise and Moderate Processing of Edible Oil in China</td>
<td>Speaker: Yong Wang, Jinan University, Guang Zhou, China</td>
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<td>3.10 - 3.30 pm</td>
<td>Discussion</td>
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<td>3.30 - 4.00 pm</td>
<td>Refreshment/ Exhibition/ Poster Viewing</td>
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<tr>
<td>4.00 - 4.20 pm F10</td>
<td>Title: Managing Environmental Contaminations along the Oil Palm Supply</td>
<td>Speaker: Norizah Halim, MPOB, Malaysia</td>
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<td>4.20 - 4.40 pm F11</td>
<td>Title: Mitigation Strategies for 3-MCPD Esters and Glycidol Esters during Vegetable Oil Refining</td>
<td>Speaker: Nils Hinrichsen, ADM Research GmbH Hamburg, Germany</td>
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<tr>
<td>4.40 - 5.00 pm F12</td>
<td>Title: Standardisation Work for Determination of MOSH and MOAH in Vegetable Oils</td>
<td>Speaker: Florence Lacoste, France Institute Fats and Oils, France</td>
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<td>5.00 - 5.15 pm</td>
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### THURSDAY, 21 NOVEMBER 2019

#### SESSION 3
**NUTRITION AND METABOLISM**
**Chairperson:** Ms. Zalma Abdul Razak, Ministry of Health, Malaysia

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<th>Speaker</th>
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<tr>
<td>8.30 - 9.00 am LP3</td>
<td>Title: Postprandial Effects of Interesterified vs. Non-interesterified Fats</td>
<td>Speaker: Scott Harding, Memorial University, Canada</td>
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<tr>
<td>9.00 - 9.20 am F13</td>
<td>Title: The Immune-boosting Potential of Palm Tocotrienols</td>
<td>Speaker: Kanga Rani Selvaduray, MPOB, Malaysia</td>
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<tr>
<td>9.20 - 9.40 am F14</td>
<td>Title: Combination of Palm Tocotrienols and Dendritic Cells in Suppressing 4T1 Tumours in BALB/C Mice</td>
<td>Speaker: Sitti Rahma Abdul Hafid, MPOB, Malaysia</td>
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<tr>
<td>9.40 - 10.00 am F15</td>
<td>Title: Effects of Aging and Tocotrienol-rich Fraction Supplementation on Brain Arginine Metabolism in Rats</td>
<td>Speaker: Mohd Hanafi Ahmad Damanhuri, Universiti Kebangsaan Malaysia, Malaysia</td>
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<td>10.00 - 10.15 am</td>
<td>Discussion</td>
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<td>10.15 - 10.30 am</td>
<td>Refreshment/ Exhibition/ Poster Viewing</td>
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#### SESSION 4
**CLINICAL AND TRANSLATIONAL EVIDENCE**
**Chairperson:** Prof. Madya Dr. Rokiah Don, International Medical University, Malaysia

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<th>Speaker</th>
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<tr>
<td>10.30 - 11.00 am LP4</td>
<td>Title: Update on Clinical Studies on Tocotrienols Rich Vitamin E in Diabetes</td>
<td>Speaker: Khaled Abdul Kadir, Monash University, Malaysia</td>
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<td>11.00 - 11.20 am F16</td>
<td>Title: Vitamin E Family and Alzheimer’s Disease: Closing the Gap between Observation and Intervention Studies</td>
<td>Speaker: Francesca Mangialasche, Care Sciences and Society (NVS), Sweden</td>
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</tbody>
</table>
| 11.20 - 11.40 am | Title: Red Palm Oil in Addressing Vitamin A Deficiency - School Program in Malaysia  
Speaker: Radhika Loganathan, MPOB, Malaysia |
| 11.40 - 12.00 pm | Title: Tocotrienol-rich Fraction Attenuates UV-induced Inflammaging: A Bench to Bedside Study  
Speaker: Wei Ney Yap, Davos Life Science, Singapore |
| 12.00 - 12.15 pm | Discussion |
| 12.15 - 12.30 pm | Prize Giving Ceremony of Best Poster |
| 12.30 - 2.00 pm | Lunch |

**NUTRITION FORUM**  
**Nutrition and Lifestyle - Are We Ready for the Aging Society?**  
**Moderator:** YM Prof. Dato’ Dr. Tengku Aizan Hamid, Universiti Putra Malaysia, Malaysia

<table>
<thead>
<tr>
<th>Time</th>
<th>Panel Discussion:</th>
</tr>
</thead>
</table>
| 2.00 - 4.00 pm | 1. Prof. Dr. Khalid Abdul Kadir (TBC)  
2. Dr. Francesca Mangialasche, NVS, Sweden  
3. Dr. Hafiz Sulaiman, Pertubuhan Doktor-Doktor Islam Malaysia (PERDIM), Malaysia |
| 4.00 pm       | Closing Remarks by Rosidah Radzian,  
Chairperson of Food, Health and Nutrition Conference |

**THE END**
## GLOBAL ECONOMICS AND MARKETING (GEM) CONFERENCE

### SESSION 1
**Enhancing Sustainable Social Standard**
*Chairperson:* Tan Sri Datuk Dr. Yusof Basiron, Malaysia

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker Details</th>
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</table>
| 8.40 - 9.10 am | **LP1**  
**Title:** Leveraging Oil Palm Industry Opportunity to Enhance Living Standards  
**Speaker:** Pietro Paganini, COMPETERE, Italy |  
|
| 9.10 - 9.30 am | **EM1**  
**Title:** Uplifting of the Economic and Social Standing of Thai Oil Palm Farmers  
**Speaker:** Asanee Mallamphut, Marakot Industries Public Company Limited, Thailand |  
|
| 9.30 - 9.50 am | **EM2**  
**Title:** Participating of Local Youth toward Career in Oil Palm Plantation  
**Speaker:** Mohammad Amizi Ayob, Universiti Malaysia Kelantan, Malaysia |  
|
| 9.50 - 10.10 am | Discussion  |  
|
| 10.10 - 10.40 am | Refreshments/ Exhibition/ Poster Viewing |  
|
| 10.40 - 11.00 am | **EM3**  
**Title:** Integration on Eco-Tourism with Oil Palm Agro-Business  
**Speaker:** Sharif Ali Jabad Ali, Sahom Valley Agro and Eco Resort, Malaysia |  
|
| 11.00 - 11.20 am | **EM4**  
**Title:** Ensuring Equality in the Oil Palm Value Chain  
**Speaker:** Mahbob Abdullah, IPC Services, Malaysia |  
|
| 11.20 - 11.40 am | **EM5**  
**Title:** Best Practices in Uplifting Oil Palm Employees’ Welfare  
**Speaker:** Mohamad Helmy Othman Basha, Sime Darby Plantation Berhad, Malaysia |  
|
| 11.40 - 12.00 pm | **EM6**  
**Title:** Raising Social Standard for Oil Palm Plantation’s Workers  
**Speaker:** Azman Ismail, MPOB, Malaysia |  
|
| 12.00 - 12.30 pm | Discussion  |  
|
| 12.30 - 2.00 pm | Lunch  |  
|

### SESSION 2
**Sustainable Palm Oil for Preserving the Planet**
*Chairperson:* Datuk Franki Anthony Dass, Sime Darby Plantation Berhad, Malaysia

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker Details</th>
</tr>
</thead>
</table>
| 2.00 - 2.30 pm | **LP2**  
**Title:** Current Challenges and Opportunities for Sustainable Palm Oil Production  
**Speaker:** Surina Ismail, IOI Corporation, Malaysia |  
|
| 2.30 - 2.50 pm | **EM7**  
**Title:** Moving Forward with Mandatory MSPO Certification Standards  
**Speaker:** Sanath Kumaran, Malaysian Palm Oil Certification Council, Malaysia |  

GLOBAL ECONOMICS & MARKETING (GEM) CONFERENCE

2.50 - 3.10 pm EM8  Title: Economic Sustenance through Conservation Efforts  
Speaker: Yatela Zainal Abidin, Yayasan Sime Darby, Malaysia

3.10 - 3.30 pm  Discussion

3.30 - 4.00 pm  Refreshments/ Exhibition/ Poster Viewing

4.00 - 4.20 pm EM9  Title: Investment and Financing Opportunities for Sustainable Palm Oil  
Speaker: TBC

4.20 - 4.40 pm EM10  Title: Biomass – Waste to Wealth in Oil Palm  
Speaker: Leong Kin Mun, Malaysia Biomass Industries Confederation, Malaysia

4.40 - 5.00 pm EM11  Title: Enhancing Palm-based Oleochemicals for Niche Markets  
Speaker: TBC

5.00 - 5.30 pm  Discussion and End of Day 2

THURSDAY, 21 NOVEMBER 2019

SESSION 3  
SUSTAINING PALM OIL ECONOMIC COMPETITIVENESS  
Chairperson: Dr. Sugumari S. Shanmugam, Ministry of Primary Industries, Malaysia

8.30 - 9.00 am LP3  Title: Sustainable Oil Palm Industry towards Prosperous Economy  
Speaker: Kalyana Sundram, Malaysian Palm Oil Council, Malaysia

9.00 - 9.20 am EM12  Title: Managing CPO Price Volatility  
Speaker: Sathia Varqa, Palm Oil Analytics, Singapore

9.20 - 9.40 am EM13  Title: Impact of the Indian Tax Structure on Palm Oil Market  
Speaker: Ali Muhammad Lakdawala, ITC Ltd., India

9.40 - 10.10 am  Discussion

10.10 - 10.40 am  Refreshments/ Exhibition/ Poster Viewing

10.40 - 11.00 am EM14  Title: Current Issues and Developments Shaping the Edible Oil Industry in Pakistan and Middle East  
Speaker: Johari Minal, MPOB, Pakistan

11.00 - 11.20 am EM15  Title: Oil Palm Challenges Amidst Global Trade War  
Speaker: Mohd Fairus Hidzir, MPOB, USA

11.20 - 11.40 am EM16  Title: Palm Oil Downstream Industry – The Way Forward  
Speaker: Mohd Haris Mohd Arshad, Sime Darby Oils Berhad, Malaysia

11.40 - 12.00 pm  Discussion

12.00 - 12.30 pm  Prize Giving Session for Poster Presenters

12.30 - 2.00 pm  Lunch
SESSION 4
ENHANCING SUSTAINABLE GLOBAL PARTNERSHIP
Chairperson: Prof. Dr. Zarinah Hamid, International Islamic University Malaysia, Malaysia

2.00 - 2.30 pm LP4 Title: Mega Cooperation between Malaysian MNCs and Their Partners – The Pakistan’s Experience
Speaker: Azman Ahmad, FGV Holdings Berhad, Malaysia

2.30 - 2.50 pm EM17 Title: Global Collaboration with Palm Oil Producing Countries
Speaker: Mohammad Fadhil Hassan, Indonesia

2.50 - 3.10 pm EM18 Title: Sustainable Palm Oil for Global Partnership in Africa
Speaker: Ranveer Chauhan, Akwaaba Ventures Pte Ltd., Singapore

3.10 - 3.30 pm Discussion

3.30 - 4.00 pm Refreshments/ Exhibition/ Poster Viewing

4.00 - 4.20 pm EM19 Title: Enhancing Sustainable Image of Malaysian Palm Oil among NGOs
Speaker: Suresh Motwani, Solidaridad Network, India

4.20 - 4.40 pm EM20 Title: Green Financial Risk Assessment for Palm Oil Industry
Speaker: Lam Hon Loong, Nottingham University, Malaysia

4.40 - 5.00 pm EM21 Title: Global Partnership to Sustain Palm Oil Prices
Speaker: James Fry, LMC International, United Kingdom

5.00 - 5.20 pm Discussion

5.20 - 5.30 pm Closing Remarks by Mr Balu Nambiappan, Chairperson of Global Economics and Marketing Conference

THE END
GENERAL CONDITIONS

- It is expressly agreed that the members of the Organising Committee, MPOB and their legal representatives, Directors and officers/employees, and their agents shall not be liable for any loss, injury or damage of any kind whatsoever suffered directly or indirectly by the person, possessions or property of any Congress participant or other person during or in connection with the events of the programmes or any other activities of the Congress, for any reason whatsoever. Without prejudice to the generality of the foregoing provision, any liability, if any, shall be limited to a refund of fees received from the aggrieved person.

- It is agreed that the Organising Committee, MPOB and their agents and officers reserve the right to cancel at anytime any or all of the programmes or other activities if this should appear necessary as a result of events which are beyond their control or which they cannot reasonably be expected to influence or for which they are not responsible; such events shall include but are not limited to force majeure, government or other official regulations, natural disasters, strikes of any kind whatsoever, civil disorders or riots, obstruction or curtailment of transport and/or transmission facilities, insurrection or other crisis, or any other unforeseen occurrence. The decisions regarding the necessity for such cancellations shall be taken by the Organising Committee, MPOB and their agents at their sole discretion and shall be final.

- The Organisers reserve the right to make changes to the programmes without prior notice whether in terms of papers, speakers, chairperson, schedules or any other aspects.

ACCOMMODATION

Hotels around the Congress venue offer attractive rates to participants. Participants are advised to make their reservations directly with hotels of their choice.
One stop centre, Short and Precise Information on oil palm / palm oil

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Note: Kindly provide the required information about yourself in helping us to serve you better. Please tick (✓) at the relevant box.

Name:            Salutation:            
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Industry/ sector:  
Address:          
City:            State:            
Country:          Nationality:          
Designation:      I.C./Passport No.: 
Telephone:      Fax:            E-mail:          
Special Dietary Request (Vegetarian):        Yes     No  
Remarks:  ______________________________________

A. I. CONFERENCE MODULE   [19-21 NOVEMBER 2019]   (Please tick one only):

☐ Agriculture, Biotechnology & Sustainability  ☐ Food, Health & Nutrition  ☐ Global Economics & Marketing

☐ Chemistry, Processing Technology & Bio-Energy  ☐ Oleo & Specialty Chemicals

II. PARTICIPATION STATUS

☐ MPPOB Licensee  ☐ Normal  ☐ Student  ☐ Student ID:  
MPPOB Licensee No.:  

III. CONGRESS FEE

Congress Registration Fee*                                      RM     USD
(Malaysian)   (Non-Malaysia)
Participants
Poster presenter [Industry]                                    1600    600
Student                                                 960     360
Walk-in student                                          1100    450

5% discount for group registration of 5 and more persons [standard participant only]

MPPOB Licensee
Standard  [1 July 2019 – 16 November 2019]                     2800    -
Walk-in MPPOB Licensee  [17 November 2019 - 21 November 2019]  3100    -

*Inclusive of book of abstracts, refreshments, lunches and congress dinner

IV. CONGRESS DINNER   [19 NOVEMBER 2019]

☐ I will attend  ☐ I will not attend
Congress Dinner [Inclusive of Congress Fee]

V. ADDITIONAL TICKET(s) FOR CONGRESS DINNER

Quantity:  x RM 230/USD 85  Amount:  

B. TECHNICAL TOURS (18 NOVEMBER 2019)

Rate: RM 450/ USD 169 each [Held concurrently and exclusive of conference fee]

I wish to participate/ sponsor the following guest(s):

Name: 1.  2.

Option A2: PLANTATION - Pusat Pertanian Tun Razak, FELDA Jengka 21, Jerantut, Pahang
Name: 1.  2.

Option B1: BIOGAS - Kilang Sawit Felda Sungai Tengi, Kuala Kubu Baru, Selangor
Name: 1.  2.

Name: 1.  2.

Option C: GENERAL RESEARCH STATION - Stesen Penyelidikan MPOB Keratong, Bandar Tun Razak, Pahang
Name: 1.  2.

Option D: SMALLHOLDERS - Pekebun Kecil Tn. Hj. Harri’ Sadiman, Lot 2419, Jalan Masjid, Kg. Tok Muda, Klang, Selangor
Name: 1.  2.

Option E: OLEOCHEMICAL PLANT - Emery Oleochemical (M) Sdn. Bhd., Telok Panglima Garang, Selangor
Name: 1.  2.

C. PIPOC 2019 GOLF CHALLENGE TROPHY (In conjunction with MPOB PIPOC 2019 - Registration Closing Date: 1 October 2019)

Venue: Glenmarie Golf & Country Club, Shah Alam, Selangor  • Date: Sunday, 17 November 2019  • Tee off: 1.30 pm

I wish to participate in the above tournament and my particulars are as follows:

Name: T-shirt: 
Organisation: 
Telephone/ Handphone: Fax:  E-mail: 
Membership No.:  Current Handicap: 

I wish to participate/ sponsor: Quantity x @RM 450/ USD 169  Amount: 

Contact persons: Dr. Mohd Hefni Rusli (mohd.hefni@mpob.gov.my/ +603-8769 4473 )
Mohd Naim Hamid (mdnaim@mpob.gov.my/ +603- 8769 4515)

TOTAL AMOUNT DUE: AMOUNT A (III + IV + V) + AMOUNT B + AMOUNT C

FORM OF PAYMENT

- My cheque payable to "MPOB" for the above total amount due is enclosed (Cheque No.: )
- Payment is made by Telegraphic Transfer [T/T] for the above total amount due.

Beneficiary: MALAYSIAN PALM OIL BOARD
Bank Beneficiary: CIMB Islamic Bank Berhad
              Tingkat Bawah dan Tingkat Satu
              Blok A-2 & A-3, MKH Avenue
              Jalan Avenue 1A
              43000 Kajang, Selangor, Malaysia.

SWIFT CODE: CTBBMYKL
CIMB Bank Current Account No.: 8600471810

* Please send a copy of the bank-in slip for tracing payment.
* All bank charges must be borne by the participant.

Send in your completed registration form with payment to:

Director-General
Malaysian Palm Oil Board [MPOB]
6, Persiaran Institusi, Bandar Baru Bangi,
43000 Kajang, Selangor, Malaysia
(Attn: Training and Conference Management Unit)
Fax : 603-8925 7549/ 8926 1202
E-mail : pipoc@mpob.gov.my

For Enquiries:
Rusnani Abd Majid
rusnani@mpob.gov.my/ +603-8769 4567
Norhaliza Kasmuri
eija@mpob.gov.my/ +603-8769 4570
Nurul Aishah Musa
nurul.aishah.musa@mpob.gov.my/ +603-8769 4568
Fax : +603-8925 7549/ 8925 1202
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<td>Three patrons</td>
</tr>
<tr>
<td>Gold</td>
<td>Unlimited</td>
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<tr>
<td>Silver</td>
<td>Unlimited</td>
</tr>
<tr>
<td>Bronze</td>
<td>Unlimited</td>
</tr>
</tbody>
</table>

For more details regarding **Sponsorship and Advertisement Packages**, kindly contact our person-in-charge:

1. **Ms Norizan Baharum**
   - Tel: +603-8769 4410
   - E-mail: norizan@mpob.gov.my

2. **Ms Liza Sumarni Abd Wahab**
   - Tel: +603-8769 4411
   - E-mail: liza@mpob.gov.my

3. **Ms Siti Norhamimah Ibrahim**
   - Tel: +603-8769 4419
   - E-mail: norhamimah@mpob.gov.my
   - Fax: +603-8926 1327

### Advertisement Packages

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2. Mini Programme Book (Pocket Size)
3. Notepad
4. Conference Bag
5. Lanyard
6. Pen
7. Banner/ Hanging Sign
8. Golf Tournament Merchandise

For more information:
Contact: [pipoc@mpob.gov.my](mailto:pipoc@mpob.gov.my)
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Seminar covers the following topics:

- Ganoderma biology, epidemiology and etiology
- Screening progenies for Ganoderma tolerance
- Breeding design suitable for disease screening
- Ganoderma disease assessment
- Molecular studies in Ganoderma
- Cultural practices and disease management

REGISTRATION FEE

- ISOPB member USD125 / RM500
- Non-member USD175 / RM700

The fee covers seminar materials, lunch and refreshments. Participants are responsible for their travel, insurance and hotel accommodation. Registration form with full payment is to be received by the Secretariat before 15 October 2019. Confirmation of registration will be issued upon receipt of full payment.

CORRESPONDENCE

For enquiries, please contact:

The Secretariat
The International Society for Oil Palm Breeders (ISOPB)
c/o MPOB, No. 6, Persiaran Institusi, Bandar Baru Bangi, 43000 Kajang, Selangor, Malaysia

TECHNICAL

Dr. N. Rajanaidu
E-mail: rajanaidu45@gmail.com
HP/ WhatsApp: +6012-2056 876

REGISTRATION

Ms. Azleha Dollah
E-mail: secretariat.isopb@gmail.com
HP/ WhatsApp: +6010-6531 515
Fax: +603-8926 1995

MODE OF PAYMENT

Payment by cheque or bank draft to be made payable to The International Society for Oil Palm Breeders.

Name: The International Society for Oil Palm Breeders
Account number: 8002249024
Swift code: CIBM MYKL
Address: CIMB Bank, Ground & First Floor, Block A-2 & A-3, MKH Avenue, Jalan Avenue 1A, 43000 Kajang, Selangor, Malaysia

Cancellation and Refund Policy

A refund of 50% will be made for written cancellations received by 15 September 2019. Refund will not be applicable thereafter. A substitute participant is allowable at no additional cost.

The seminar is targeted for plant breeders, seed producers, nursery operators, tissue culturists, biotechnologists, agronomists, entomologists, plant pathologists, plant physiologists, policy makers, planters, managers, researchers, academia, consultants, students and those interested in oil palm breeding and seed production.

RESOURCES

- E-mail: secretariat.isopb@gmail.com
- HP/ WhatsApp: +6010-6531 515
- Fax: +603-8926 1995

Payment via telegraphic transfer:

Name: The International Society for Oil Palm Breeders
Account number: 8002249024
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Please submit this form to:
The Secretariat, The International Society for Oil Palm Breeders (ISOPB) c/o Malaysian Palm Oil Board (MPOB), No. 6, Persiaran Institusi, Bandar Baru Bangi, 43000 Kajang, Selangor, Malaysia
(Attn: Ms. Azleha Dollah)
Balancing Sustainability Pillars

Malaysian Palm Oil Board
6, Persiaran Institusi, Bandar Baru Bangi,
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