

DISCOVERY, DEVELOPMENT & COMMERCIALISATION OF NATURAL PRODUCTS: CHALLENGES & OPPORTUNITIES

PROGRAMME

Day 1: 25 June 2024 | Tuesday

8.30 am	Registration
9.00 am	Welcoming Remarks Dr Ling Sui Kiong Chairman of the Organising Committee, 16 th Medicinal & Aromatic Plants Seminar
9.20 am	<u>PLENARY 1</u> Dr Norwati Muhammad (FRIM) Natural Products Research, Development, Commercialisation and Innovation (R, D, C & I) Initiatives in the Era of Climate Change Uncertainties Moderator: Dr Ling Sui Kiong
10.00 am	Morning Tea & Poster Session
10.30 am	Opening Ceremony Singing of National Anthem Doa Recitation
10.40 am	Welcoming Speech by the Deputy Director General (Research), FRIM YBrs. Dr Norwati Muhammad
10.50 am	Officiating Speech by the Secretary-General, Ministry of Natural Resources and Environmental Sustainability (NRES) YBhg. Datuk Dr Ching Thoo a/l Kim
11.10 am	Product Launching Presentation of Certificate of Appreciation to Collaborative Partners
11.25 am	Visit to Exhibition Booth

<u>SCIENTIFIC SESSION 1</u> UNRAVELLING NEW POTENTIALS, EMPOWERING PAST WISDOM: BIOPROSPECTING AND ETHNOBOTANY Moderator: Dr Fadzureena Jamaludin	
11.30 am	Invited 1: Dr Shamsul Khamis (UKM) Diversity and Potential of Aromatic Plants in Taman Rimba Ilmu Tanah BRIS (TRIBE) UnisZA Campus Besut, Terengganu, East Peninsular Malaysia
12.00 pm	Oral 1: Dr Siti Norasikin Ismail (UMT) Notes on Medicinal Value Plants Utilised by the Indigenous Community in Hulu Terengganu, Terengganu
12.20 pm	Oral 2: Ts. Dr Fauziah Abu Bakar (UPM) Exploration of Traditional Medicinal Plants from Minor Ethnic Groups in Sarawak, Borneo
12.40 pm	Oral 3: Dr Razanah Ramya @ Abd Rahim (UKM) Carotenoids, Retinol Activity Equivalent (RAE), and Polyphenol-Rich Profiling in Traditional Herbs Consumed by Local Folks
1.00 pm	Lunch & Poster Session
<u>SCIENTIFIC SESSION 2</u> REALISING THE POTENTIAL: STANDARDISATION, FORMULATION, PRE-CLINICAL AND CLINICAL RESEARCH Moderator: Dr Nurhanan Murni Yunos	
2.30 pm	Invited 2: Prof. Dr Ahmad Rohi Ghazali (UKM) Cancer Chemopreventive Activity of Terpenoid Rich <i>Canarium odontophyllum</i> Miq. Leaf Extract (TRCO) in UVB-Induced Skin Cancer Models In Vitro and In Vivo
3.00 pm	Oral 4: Nalinah Poongavanam (UKM) Exploring Machine Learning Approach in Determining the Quality of Kelulut Honey from Peninsular Malaysia
3.20 pm	Oral 5: Adiana Mohamed Adib (FRIM) NMR-Based Metabolomics Coupled with Genetic Approach for Discrimination of <i>Piper sarmentosum</i> from Peninsular Malaysia and Correlation with Its α -Amylase Inhibitory Activity

3.40 pm	<p>Oral 6: Dr Khadijah Nabilah Mohd Zahri (FRIM)</p> <p>In Vitro Gastrointestinal Digestion on the Bioaccessibility and Antioxidant Activity of Phenolic Compound in <i>Moringa oleifera</i></p>
4.00 pm	<p>Oral 7: Nur Aliah Mohamad (USM)</p> <p>Antiviral Activities of Tualang Honey Against CHIKV-Infected Human Fibroblast-Like Synoviocytes</p>
4.20 pm	<p>Oral 8: Rohimah Abdun Masaree (UTM)</p> <p>The Effect of Encapsulation on the Activity of <i>Azadirachta excelsa</i> Extract on <i>Aedes aegypti</i> and <i>Coptotermes curvignathus</i></p>
4.40 pm	<p>Oral 9: Dr Jagjoth Singh a/l Darshan Singh (HUSM)</p> <p>The Effect of Essential Oils in Comparison with Methyl Salicylate Ointment on Lumbar Back Pain and Functional Disability in Patients with Degenerative Lumbar Spondylosis</p>
5.00 pm	Afternoon Tea

Day 2: 26 June 2024 | Wednesday

9.00 am	<p><u>PLENARY 2</u></p> <p>Dr Amin Malik Shah Abdul Majid (Eman Research Ltd.)</p> <p>Clinical Efficacy and Mechanistic Insights of Nuvastatic™, a Standardized <i>Orthosiphon stamineus</i> Extract, in Metastatic Cancer Treatment</p> <p>Moderator: Dr Fadzureena Jamaludin</p>
<p><u>SCIENTIFIC SESSION 3</u></p> <p>ENSURING QUALITY AND SUSTAINABLE FEEDSTOCK: AGRONOMY, PRE- AND POST-HARVEST TECHNOLOGY</p> <p>Moderator: Dr Saiful Azmi Johari</p>	
9.40 am	<p>Invited 3: Prof. Ts. Dr Asmah Awal (UiTM)</p> <p>Medicinal Plant Production: The Application of Biotechnology for Yield Performance</p>
10.10 am	<p>Oral 10: Rohana Abd Rahman (FRIM)</p> <p>From Soil to Shelf: Mapping Plant Species Utilization in Malaysian Herbal Products</p>
10.30 am	Morning Tea & Poster Session
11.00 am	<p>Oral 11: Dr Farah Fazwa Md Ariff (FRIM)</p> <p>Commercialisation of High Quality Clones to Local Community</p>
11.20 am	<p>Oral 12: Tan Ai Lee (FRIM)</p> <p>Unravelling the Identity of Black Ginger and Black Turmeric in the Malaysian Herbal Market</p>
11.40 am	<p>Oral 13: AP Ts. Dr Siti Nuurul Huda Mohammad Azmin (UMK)</p> <p>Effect of Temperature on the Optimum Extraction of <i>Citrullus lanatus</i> (Watermelon) Rind</p>
12.00 pm	<p>Oral 14: Hada Masayu Ismail@Dahlan (FRIM)</p> <p>A Greener Route for Ultrasound-Assisted Extraction of Rosmarinic Acid from <i>Salvia officinalis</i> Leaves with Hydrophilic Deep Eutectic Solvent System</p>
12.20 pm	<p>Tech Talk: Roy Lim (BUCHI Malaysia Sdn. Bhd.)</p> <p>BUCHI Technologies for Natural Product Workflow</p>
12.40 pm	Poster Session
1.00 pm	Lunch

SCIENTIFIC SESSION 4

**BENEFITING THE STAKEHOLDERS: INTELLECTUAL PROPERTY,
COMMERCIALISATION AND REGULATORY CONTROL**

Moderator: Dr Zunoliza Abdullah

2.30 pm	Invited 4: Dr Noraida Mohamad Zainoor (NPRA) An Overview of the Regulatory Compliance on the Local Natural Products Manufacturing
3.00 pm	Invited 5: Mdm. Suraya Mohamad @ Ahmad (MyIPO) Malaysia Traditional Knowledge Digital Library (MyTKDL) & Its Role in Protecting Traditional Knowledge in Malaysia
3.30 pm	Oral 15: Dr Mutsuaki Suzuki (NIG) Nagoya Protocol Implementation in Japan
3.50 pm	Oral 16: Dr Fadzureena Jamaludin (FRIM) GouTree: From Forest to Urban
4.10 pm	Oral 17: Dr Faiqah Ramli (Nexus Wise Sdn. Bhd.) Natural Tiger Milk Mushroom Supplementation: Penetrating Global Market Through Proven Clinical Efficacy on Respiratory Health
4.30 pm	Award Presentation & Closing Ceremony
4.40 pm	Afternoon Tea