



# The Regional Conference and Exhibition of Natural Products, Traditional Medicines and Herbs

Promoting Ecotourism Through Innovations and Developments in Natural Products

9 - 11 December 2021

**Borneo Convention Centre Kuching (BCCK) | Zoom (Hybrid)** 

# **Supported by**







### Strategic partners

















# **Opening Ceremony**

# 9<sup>th</sup> December 2021

Time	Agenda
0800-0845	Arrival of participants. Registration and Conference kits collection.
0845	<ul> <li>Arrival of VVIP</li> <li>MR HII CHANG KEE, Setiausaha Tetap, Kementerian Pelancongan, Kesenian dan Kebudayaan Sarawak</li> <li>MS AMELIA ROZIMAN, Chief Executive Officer, Business Sarawak Events</li> <li>DATU HAJI HASHIM BIN HAJI BOJET, Pemegang Amanah Kursi Tun Zaidi/Pengurus Besar, Sarawak Timber Industry Development Corporation</li> <li>PROFESSOR DATUK DR MOHAMAD KADIM BIN SUAIDI, Vice Chancellor, Universiti Malaysia Sarawak (UNIMAS)</li> </ul>
0855	Arrival of Guest of Honor - YB DATO SRI HAJI ABDUL KARIM RAHMAN HAMZAH, Menteri Pelancongan, Kesenian dan Kebudayaan Sarawak
0900	Negaraku Ibu Pertiwiku
0905	Doa Recital
0910 – 0920	Welcoming Remark by the Vice Chancellor UNIMAS
0920 – 0945	Speech by the <b>Guest of Honor</b>
0945 – 0955	Launching of "Wonders of Natural Products in Malaysia" & Opening Ceremony & Souvenir Presentation
0955 – 1000	Photo session
1000	Refreshment

# **Conference Programme**

### Day 1: 9<sup>th</sup> December 2021

Time	Programme
0900 – 1000	Opening Ceremony
1000 – 1030	Refreshment
	Session Chair: PROF. DR. EDMUND SIM UI HANG
1030 – 1115	Plenary Session 1
	"Innovations, Trends and Challenges in Development of Natural Products,
	Traditional Medicines and Herbs"
	PROF. DR. JAMIA AZDINA BINTI JAMAL
1115 – 1200	Plenary Session 2
	"Commodification Of Rurality In Sustainable Ecotourism Products"
	ASSOC. PROF. DR. AMNAJ KHAOKHRUEAMUANG
1200 – 1330	Lunch
	Session Chair: PROF. DR. AWANG AHMAD SALLEHIN AWANG HUSAINI
1330 – 1400	Invited speaker 1
	Utilisation Of Natural Resources Through Documentation, Discovery And
	Development Of Natural Product Entities – The Frim Experience
	DR. LING SUI KONG (FRIM)
1400 – 1430	Invited speaker 2
	New Frontier to Treat Smoking Addiction with Painless Laser Acupuncture.
	MR. RODNEY LIM (Laser Acupuncture Centre, Singapore)
1430 – 1500	Invited speaker 3
	Introduction to Acupuncture Research: History and its Practice.
	PROF. DR. ZHOU WEN XIN (International Medical University)
1500 – 1530	Invited speaker 4
	Perspective of Traditional Chinese Medicine
	DR. GAN MING HANG (SOUTHERN UNIVERSITY COLLEGE)
	Session Chair: PN AMIRA SATIRAWATY
1530 – 1550	Entomopathogenic Fungi As Potential Source For Laccase Enzyme
1010 100	NUR ATHIRAH BT AZIZ
1610 – 1630	Production And Extraction Of Phenolic Compounds From Fermented Raw Sago
	Starch By Selected Fungal Endophytes
1000 1000	NURUL AIDA QARINA BT MOHD RAZALI
1630 – 1700	Refreshment

### **Conference Programme**

Day 2: 10<sup>th</sup> December 2021

Time	Programme
	Session Chair: DR FREDDY YEO
0900 – 1000	Consumer Preferences On Herbs And Spices In Sarawak, Malaysia
	NURUL SYAHIRAH MANSUR
	Phytotherapeutic Approaches For Management Of Hyperuricemia In Gout
	DR. PREKAN ANUSAKUMAR
	Identification Of Neuroprotective And Anti-Neuroinflammation Agents Against Lps-
	Induced Microglial Cells Within Butterfly Pea Via Molecular Networks
	DR. SITI MUNIRAH MOHD FAUDZI  Unlocking Untapped Resources From Elaeis Guineensis Leaf As Therapeutic Agents
	In Regenerative Medicine
	DR. MOHAMAD SHAZELI CHE ZAIN
	Styryllactones And Alkaloids From Goniothalamus Lanceolatus Miq.
	DR. NUR VICKY BIHUD
	Development Of Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) Method
	For Determination Of Trace Metals In Black Pepper Berries
	DYG SYAFIZNUR AISYAH ABANG YA'KUB
	Phytochemical Screening Of Saffron Ethanolic Extract: A Preliminary Report
	IMAN NABILAH ABD RAHIM
	Fatty Acid Composition And Antimicrobial Activity Of Litsea Garciae Pulp And Seed
	Extracts LING ZINYIN
	Assessment of the Antibacterial and Antibiofilm Activity of Uncaria tomentosa
	extracts against Oral Bacteria
	NOR HASLINI WAHID
	Antihypertensive Effect Of Averrhoa Bilimbi Fruit Extract In Spontaneously
	Hypertensive Rat
	DR. NORSYAHIDA MOHD FAUZI
	Industrial, Biological And Pharmacological Uses Of Shorea Macrophylla L.
	AJIBOLA OLAIDE OLUWUNMI
	Antioxidant And Antimicrobial Properties Of Bioactive Compounds Produced Under
	Solid-State Fermentation Of Sago Pith Waste By Endophytic Fungi
	CAROLYNNA BUYAU ANAK JAMES  Malay Ethnobotany And Ethnomedicine In Taj Al-Muluk, A Traditional Malay
	Medical Text
	ASSOC. PROF. DR. MOHD AFFENDI BIN MOHD SHAFRI
	Formulation Of Anti Acne Soap And Anti Acne Cream Using Fermented Curcuma
	Caesia Extract Supernatant
	DR SITI FATHIMAH PUTERY BINTI JEMAIN
	Bioactivites, Phenolic And Carotene Of Aurantiochytrium Sw1 Sp. Harvested With
	Different Flocculant
	NURDIANA MOKHTAR
	Potential Therapeutic Application Of Phytomedicines For Sars-Cov-2 Infection: Case
	Report And Review
	DR DHANASHREE PRAJAPATI
	Traditional Knowledge Documentation and Useful Plants: Case Studies in Sarawak
	JOVITA ELDERSON RIPEN

1000 – 1030	Refereshment
	Session Chair: ASSOC. PROF. DR HASMAH MOHIDIN (UITM)
1030 – 1100	Industry Talk 1
	Preserving Sarawak Indigenous and Heirloom Rice
	MR BRENDAN KON (ANTARES VENTURE SDN BHD)
1100 – 1130	Industry Talk 2
	The Virgin Coconut Emulsion (VCE) vs Virgin Coconut Oil (VCO)
	DR MOHD RAZIP ASARUDDIN (UNIVERSITI MALAYSIA SARAWAK)
1130 – 1200	Industry Talk 3
	Black Soldier Fly (Hermetia Illucens) – Effective Food Waste Decomposer
	MS TAN PEI CHIN (FLY TECHNOLOGY AGRICULTURE SDN BHD)
1200 – 1230	Industry Talk 4
	MS AMELIA LIM WEN CHING (AQUAVERMIPONIC SDN BHD)
1230 – 1430	Lunch
	Session Chair: DR WEE BOON SIONG
1430 – 1500	Industry Talk 5
	Quality of Sarawak Stingless Bee (Kelulut) Honey
	DR MARGARET ABAT (AGRICULTURE RESEARCH CENTRE)
1500 – 1530	Industry Talk 6
	MR ZEHNDER JARROOP (MPB)
	Session Chair: ASSOC. PROF. DR SIM SIONG FONG
1530 – 1700	Dialogue Session
	"Potential of Natural Products in Promoting Tourism and Trade"
	Panelist:
	EN HII CHANG KEE (Kementerian Pelancongan, Kesenian dan Kebudayaan
	Sarawak)
	MR CHEW CHANG GUAN (STATOS)
1630 – 1700	Refreshment

### Day 3: 11<sup>th</sup> December 2021

Time	Programme
0900 - 1600	Visit to ecotourism spots
	Light & Easy with Sia Sitok 2.0
	COORDINATOR: DR. DIANA KERTINI MONIR

Industrial, Biological and Pharmacological uses of Shorea macrophylla L.

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**Abstract** 

Trees of Shorea macrophylla L. (Engkabang jantong) are one of the most valuable commodities

in South East Asia, due to their good quality of Meranti timbers and illipe nuts that generate

oil. They also produced important green industrial chemicals such as varnishes, insecticides,

additives in lubricants, adhesives, polishes, plasticizers, and of medicinal values. Several

related studies have proven that the wood and wood residues of S. macrophylla L. are suitable

for the production of furniture and cattle feedstocks. At the same time, fat emulsion from the

illipe nuts attracts more attention in the waxes and cosmaceutical as well as food products

industries. Similarly, it has been employed as an active natural food additives in a few newly

produced food products. These makes S. macrophylla L. an important commodity in foreign

markets. In order to better unravel the potentials of this plant, further in depth studies would be

required. Therefore, the purpose of this article is to review on the industrial, biological, and

pharmacological applications of S. macrophylla.

**Keyword:** Shorea macrophylla L., illipe nuts, industrial, biological, pharmacological