

Instruction for Poster Presenter

Before Event

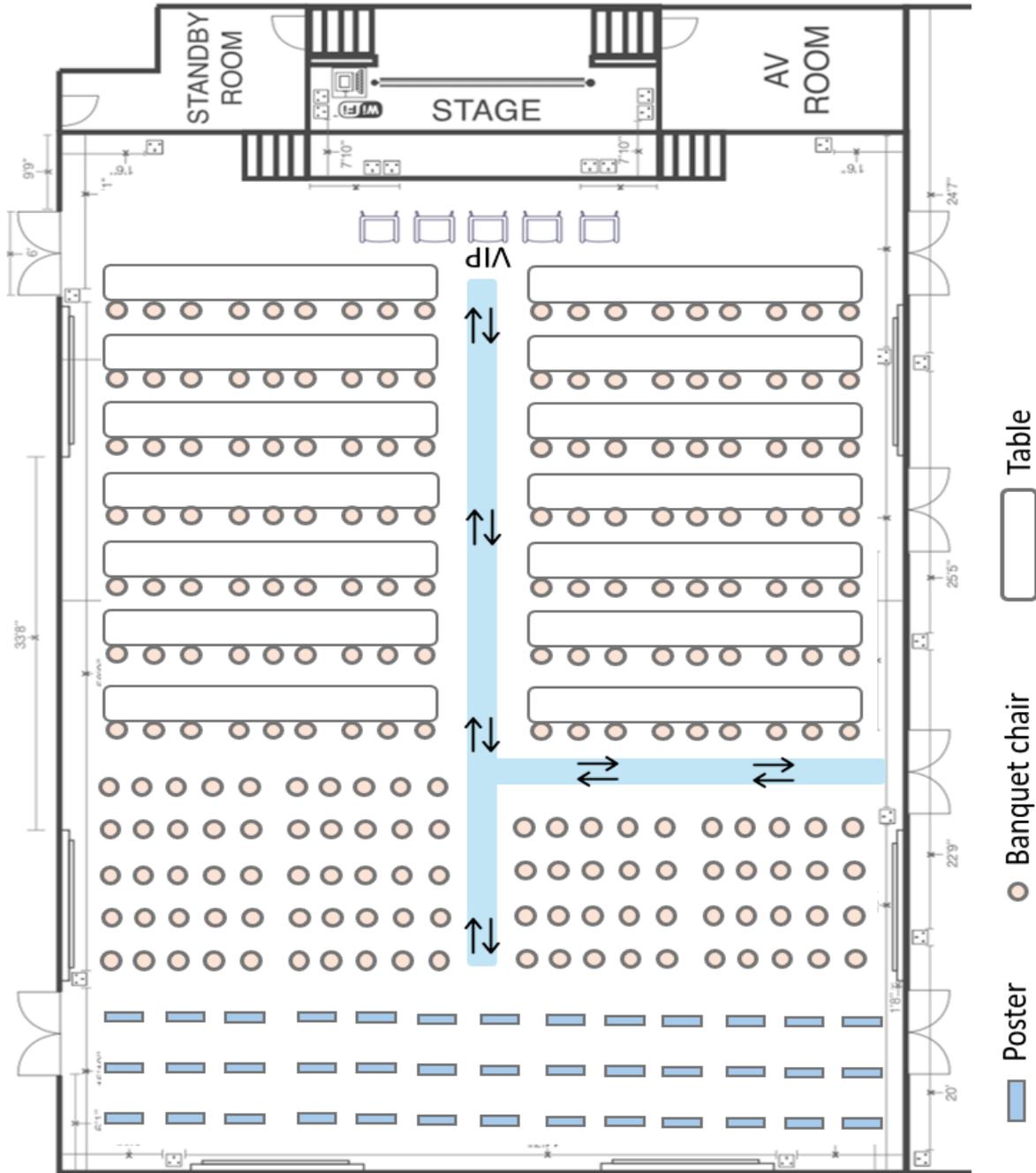
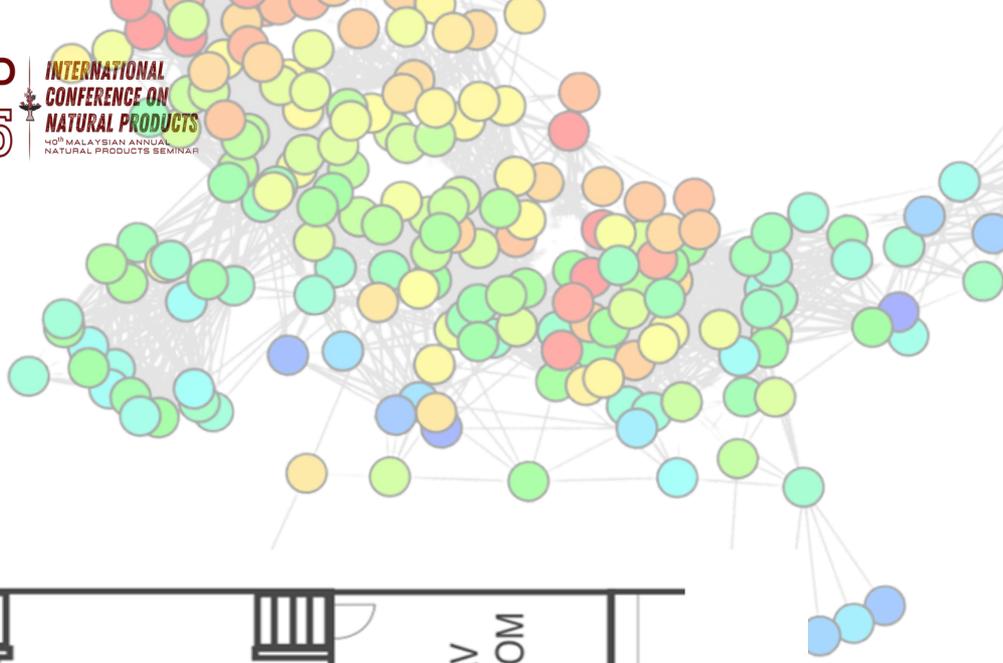
1. **Posters must be mounted** on the designated boards according to the assigned **poster code** at the **Ballroom** (please refer to the layout provided).
2. **Mounting Time: 14 October 2025 (Tuesday): 7:45 am – 8:30 am**
3. Please ensure that posters are properly displayed before the evaluation sessions begin.

During Event

1. Poster evaluations will take place as follows:
 - i. **14 October 2025 (Tuesday): 4:05 pm - 5:00 pm.**
 - ii. **15 October 2025 (Wednesday): 4:05 pm - 5:30 pm.**
2. All presenters **must be present at their posters** during the scheduled evaluation time.
3. Please note that **posters will not be evaluated** if the presenter is absent.
4. Each presenter will be allocated **10 minutes in total: 7 minutes for presentation and 3 minutes for Q&A.**
5. Each poster will be evaluated by **two members of the jury panel.**

Best Poster Presentation Awards & Poster Removal

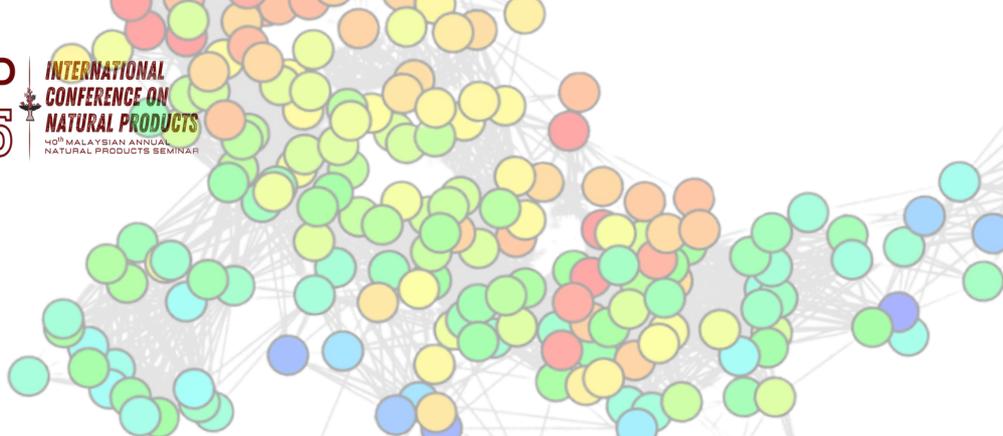
1. The **Champion, 1st Runner-Up, and 2nd Runner-Up** for the **Best Poster Presentation Award** will be **announced during the Closing Ceremony on 16 October 2025.**
2. Posters may be **removed on 16 October 2025 (Thursday) between 1:00 pm and 5:00 pm.**
3. Please ensure all posters are removed within the specified time. The committee will not be responsible for posters left behind after this period.





TENTATIVE PROGRAMME ARCSB X ICNP 2025

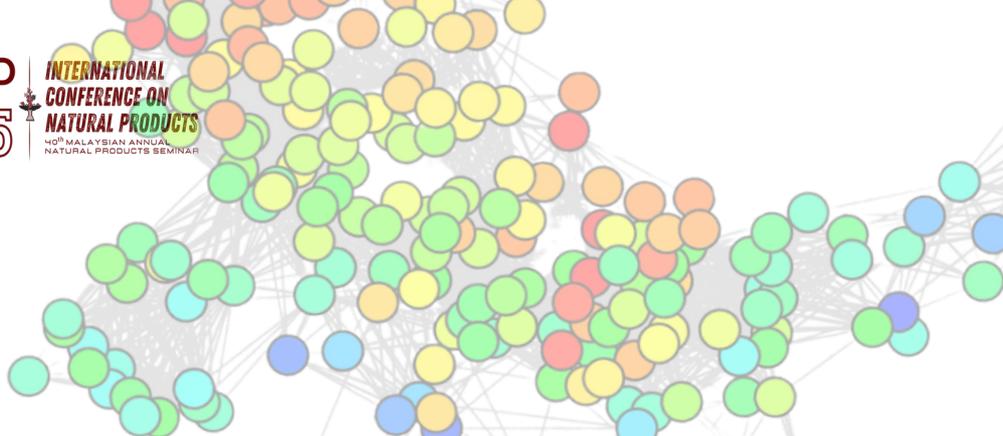
Day 1: 14 October 2025 (Tuesday)				
07:45 – 08:30	Registration			
Venue: Ballroom				
<i>Chairperson: Professor Emeritus Dato' Dr. Ikram M. Saïd</i>				
08:30 - 09:30	<i>Jack Cannon Lecture:</i> Title: Discovering Natural Products - Something Old Something New Speaker: Professor Dr. Khozirah Shaari (Universiti Putra Malaysia)			
09:30 - 09:50	<i>Technical Talk 1:</i> Title: NMR for Biology and Metabolomics Speaker: Mr. Kwanchai Khongwattananon (Bruker Biospin Group)			
<i>Chairperson: Professor Dato' Dr. Ibrahim Jantan</i>				
09:50 - 10:35	<i>Plenary Lecture 1: Subtheme: Biotechnology in Health, Food & Agriculture</i> Title: Uncovering Druggable Targets Through the Integration of Gene Dependency and Drug Response Data Speaker: Professor Dr. Sok Ching Cheong (Cancer Research Malaysia)			
10:35 - 11:20	<i>Plenary Lecture 2: Subtheme: Bioactive Natural Products</i> Title: Exploring the Potential of Bioactive Alkaloids of Ketum: Over a Decade of Research at the Centre for Drug Research Speaker: Professor Dr. Vikneswaran A/L Murugaiyah (University Sains Malaysia)			
11:20 - 13:00	OPENING CEREMONY			
13:00 - 14:00	Lunch break			
Venue: Ballroom				
14:00 - 14:20	<i>Technical Talk 2:</i> Title: Leveraging Raman-Based PAT for Enhanced Control in Biopharmaceutical Manufacturing Speaker: Ms. Poi Teng Tan (Thermo Fisher Scientific)			
Venue	Ballroom	Melati 1	Melati 2	Melati 3
	<i>Subtheme: Natural Products Chemistry</i>	<i>Subtheme: Natural Product Omics</i>	<i>Subtheme: Natural Product Fragrances and Flavors</i>	<i>Subtheme: Biotechnology in Health, Food & Agriculture</i>
	<i>Chairperson 1: Assoc. Professor Dr. Juriyati Jalil</i> <i>Chairperson 2: Dr. Thiruventhan Karunakaran</i>	<i>Chairperson 1: Assoc. Professor Dr. Munirah Mohd Faudzi</i> <i>Chairperson 2: Dr. Nurkhalida Kamal</i>	<i>Chairperson 1: Dr. Mohd Shukri Baba</i> <i>Chairperson 2: Dr. Mohd Shazeli Che Zain</i>	<i>Chairperson 1: Assoc. Professor Dr. Goh Hoe Han</i> <i>Chairperson 2: Assoc. Professor Dr. Hamidun Bunawan</i>



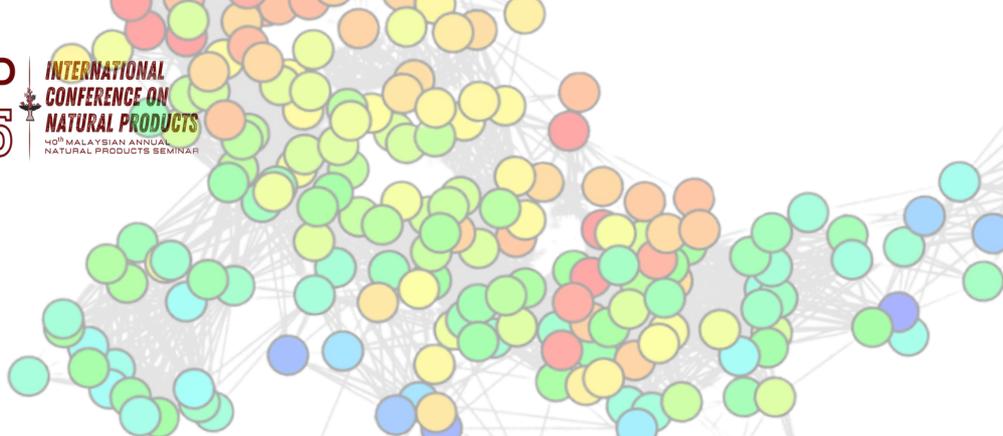
Day 1: 14 October 2025 (Tuesday)				
14:20 - 14:50	<i>Invited Speaker 1:</i> Title: Phenotype-Based Discovery of Bioactive Natural Products and Mechanistic Studies Speaker: Professor Dr. Masayoshi Arai <i>(Osaka University, Japan)</i>	<i>Invited Speaker 2:</i> Title: Indonesian Mushrooms Metabolomics: Bioactive Compounds Identification and Their In Vitro Bioavailability Speaker: Professor Dr. Nancy Dewi Yuliana <i>(IPB University, Indonesia)</i>	<i>Invited Speaker 3:</i> Title: Antidepressant Effects of Cajuput Essential Oil in Chronic Immobilisation Stress (Cis)-Induced Mice Model Speaker: Assoc. Professor Dr. Mohd Dasuki Bin Sul'ain <i>(Universiti Sains Malaysia)</i>	<i>Invited Speaker 4:</i> Title: From Farm to Function: A Preliminary Study on Health Outcomes of Inulin-Containing Plant-Based Foods Speaker: Assoc. Prof. Dr. Ruey Leng Loo <i>(Murdoch University, Australia)</i>
14:50 - 15:05	Oral presentation (OR 01)	Oral presentation (OR 06)	Oral presentation (OR 11)	Oral presentation (OR 16)
15:05 - 15:20	Oral presentation (OR 02)	Oral presentation (OR 07)	Oral presentation (OR 12)	Oral presentation (OR 17)
15:20 - 15:35	Oral presentation (OR 03)	Oral presentation (OR 08)	Oral presentation (OR 13)	Oral presentation (OR 18)
15:35 - 15:50	Oral presentation (OR 04)	Oral presentation (OR 09)	Oral presentation (OR 14)	Oral presentation (OR 19)
15:50 - 16:05	Oral presentation (OR 05)	Oral presentation (OR 10)	Oral presentation (OR 15)	Oral presentation (OR 20)
16:05 - 17:00	Coffee break / Poster presentation / Poster judging session			
Venue: Ballroom				
17:00 - 18:00	MNPS Annual Meeting			
Venue: Melur				
19:45 - 22:00	GALA DINNER & AWARD			

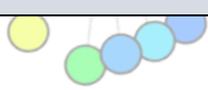


Day 2: 15 October 2025 (Wednesday)	
08:00 - 08:30	Registration
Venue: Ballroom	
Chairperson: Professor Dr. Syarul Nataqain Baharum	
08:30 - 09:30	<p><i>Keynote Lecture: Theme: Innovative Life Sciences for Sustainable Development Goals</i></p> <p>Title: Synthetic Biology for New-to-Nature Biochemicals</p> <p>Speaker: Professor Dr. Byung-Kwan Cho (Korea Advanced Institute of Science and Technology)</p>
09:30 - 09:50	<p><i>Technical Talk 3:</i></p> <p>Title: Ion Mobility Spectrometry: Applications in Natural Products Research</p> <p>Speaker: Dr. Jaran Jainhuknan (Bruker Daltonics)</p>
09:50 - 10:35	<p><i>Plenary Lecture 3: Subtheme: Renewable Resources & Synthetic Biology</i></p> <p>Title: Systems and Synthetic Biology: From Microbial Insights to Sustainable Innovation</p> <p>Speaker: Professor Dr. Wanwipa Vongsangnak (Kasetsart University, Thailand)</p>
10:35 - 10:50	Coffee break
Chairperson: Professor Dr. Faridah Abas	
10:50 - 11:35	<p><i>Plenary Lecture 4: Subtheme: Natural Product Omics</i></p> <p>Title: Computational Mass Spectrometry-based Metabolomics Broadens Insights into Natural Products</p> <p>Speaker: Assoc. Professor Dr. Kyo Bin Kang (Sookmyung Women's University, South Korea)</p>
11:35 - 11:55	<p><i>Technical Talk 4:</i></p> <p>Title: Bridging Science and Industry: Strategies for Developing Nutraceuticals with a Strong Scientific Foundation</p> <p>Speaker: Mr. Ahmad Safiyu'd-din Bin Hisamuddin (Nexus Wise Sdn Bhd)</p>
11:55 - 12:40	<p><i>Plenary Lecture 5: Subtheme: Bioinformatics & Computational Biology</i></p> <p>Title: Decoding Molecular Mechanisms and Cellular Heterogeneity with Single-cell and Spatial Omics in a Systems Biology Framework</p> <p>Speaker: Assoc. Professor Dr. Varodom Charoensawan (Mahidol University, Thailand)</p>
12:40 - 13:00	<p><i>Technical Talk 5:</i></p> <p>Title: Analytical Application of Mid-Infrared Fourier Transform Infrared (FTIR) Spectroscopy and 2D Infrared Correlation Analysis</p> <p>Speaker: Mr. Ooi Yee Khai (Perkin Elmer)</p>
13:00 - 14:00	Lunch break



Day 2: 15 October 2025 (Wednesday)				
Venue: Ballroom				
14:00 - 14:20	<i>Technical Talk 6:</i> Title: Accelerating Drug Discovery & Development with Beckman Coulter Life Sciences Speaker: Mr. Ong Sherman (<i>Beckman Coulter Life Science</i>)			
Venue	Ballroom	Melati 1	Melati 2	Melati 3
	<i>Subtheme: Biotechnology in Health, Food & Agriculture</i>	<i>Subtheme: Bioinformatics & Computational Biology</i>	<i>Subtheme: Bioactive Natural Products</i>	<i>Subtheme: Phytochemistry</i>
	Chairperson 1: Assoc. Professor Dr. Ng Chyan Leong Chairperson 2: Assoc. Professor Dr. Maizom Hassan	Chairperson 1: Ts. Dr. Nor Azlan Nor Muhammad Chairperson 2: Dr. Sarahani Harun	Chairperson 1: Assoc. Professor Dr. Khairana Husain Chairperson 2: Dr. Murni Nazira Sarian	Chairperson 1: Assoc. Professor Dr. Fatimah Salim Chairperson 2: Dr. Fadzureena Jamaludin
14:20 - 14:50	<i>Invited Speaker 5:</i> Title: Applying Integrated Omics to Advance Agricultural Innovation in Host-Microbe Interactions, Novel Bioactive Discovery, and Food Authentication Speaker: Dr. Wanilada Rungrassamee <i>(National Center for Genetic Engineering and Biotechnology, Thailand)</i>	<i>Invited Speaker 6:</i> Title: Structural Genomics of Bagworm <i>Metisa plana</i>: Current progress and status Speaker: Ts. Dr. Nor Azlan Nor Muhammad <i>(Institute of Systems Biology, UKM)</i>		
14:50 - 15:05	Oral presentation (OR 21)	Oral presentation (OR 26)	Oral presentation (OR 31)	Oral presentation (OR 36)
15:05 - 15:20	Oral presentation (OR 22)	Oral presentation (OR 27)	Oral presentation (OR 32)	Oral presentation (OR 37)
15:20 - 15:35	Oral presentation (OR 23)	Oral presentation (OR 28)	Oral presentation (OR 33)	Oral presentation (OR 38)
15:35 - 15:50	Oral presentation (OR 24)	Oral presentation (OR 29)	Oral presentation (OR 34)	Oral presentation (OR 39)
15:50 - 16:05	Oral presentation (OR 25)	Oral presentation (OR 30)	Oral presentation (OR 35)	Oral presentation (OR 40)
16:05 - 17:30	Coffee break / Poster presentation & Judging Session			

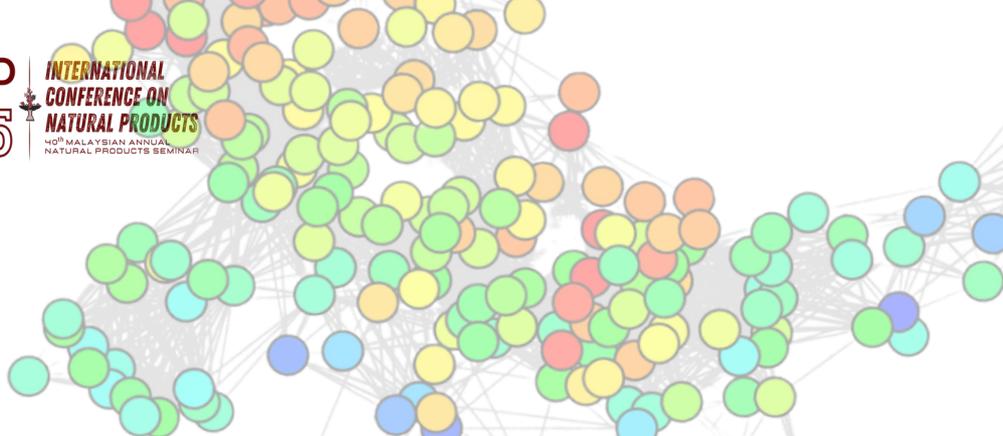


Day 3: 16 October 2025 (Thursday)				
08:00 - 08:30	Registration			
Venue	Ballroom	Melati 1	Melati 2	
	<i>Subtheme: Medicinal Chemistry & Drug Discovery</i>	<i>Subtheme: Renewable Resources & Synthetic Biology/Bioinformatics & Computational Biology</i>	<i>Subtheme: Bioactive Natural Products</i>	
	<i>Chairperson 1: Assoc. Professor Dr. Najihah Mohd Hashim Chairperson 2: ChM. Dr. Kamalrul Azlan Azizan</i>	<i>Chairperson 1: Dr. Ahmad Bazli Ramzi Chairperson 2: Dr. Low Chen Fei</i>	<i>Chairperson 1: Dr. Hamizah Shahirah Chairperson 2: Dr. Habsah Aziz</i>	
08:30 - 08:45	Oral presentation (OR 41)	Oral presentation (OR 45)	Oral presentation (OR 49)	
08:45 - 09:00	Oral presentation (OR 42)	Oral presentation (OR 46)	Oral presentation (OR 50)	
09:00 - 09:15	Oral presentation (OR 43)	Oral presentation (OR 47)	Oral presentation (OR 51)	
09:15 - 09:30	Oral presentation (OR 44)	Oral presentation (OR 48)	Oral presentation (OR 52)	
09:30 - 09:45	Coffee break			
Venue: Ballroom				
<i>Chairperson: Assoc. Professor Dr. Ng Chyan Leong</i>				
09:45 - 10:30	<i>Plenary Lecture 6: Subtheme: Natural Product Fragrances and Flavors</i> Title: VOC-Based Strategies for Monitoring and Maintaining Freshness During Storage and Distribution Speaker: Assoc. Professor Dr. Kang-Mo Ku (Korea University, South Korea)			
10:30 - 10:50	<i>Technical Talk 7:</i> Title: Next-Gen Mass Spectrometry: Fast-Tracking Nature's Molecular Code Speaker: Dr. Dhaval Patel (Thermo Fisher Scientific)			
10:50 - 11:20	<i>Invited Speaker 7: Subtheme: Medicinal Chemistry & Drug Discovery</i> Title: Targeting Triple-Negative Breast Cancer with Novel Small Molecules Speaker: Assoc. Professor Dr. Lam Kok Wai (Faculty of Pharmacy, UKM)			
11:20 - 11:35	<i>Technical Talk 8:</i> Title: Advancing Microplastic Research with Thermo Nicolet FTIR Spectroscopy Speaker: Ms. Michelle Lee Jia Yin (Symphony Engineering Sdn Bhd)			
11:35 - 12:30	PRIZE-GIVING CEREMONY & CLOSING REMARKS			
12:30 - 14:00	Lunch break			
	Venue: Melati		Venue: Melati	
14:00 - 17:00	Workshop Metabolomics GNPS Assoc. Professor Dr. Kyo Bin Kang (Sookmyung Women's University, Korea)		Workshop Single Cell Sequencing & Spatial Transcriptomics Assoc. Professor Dr. Varodom Charoensawan (Mahidol University, Thailand)	

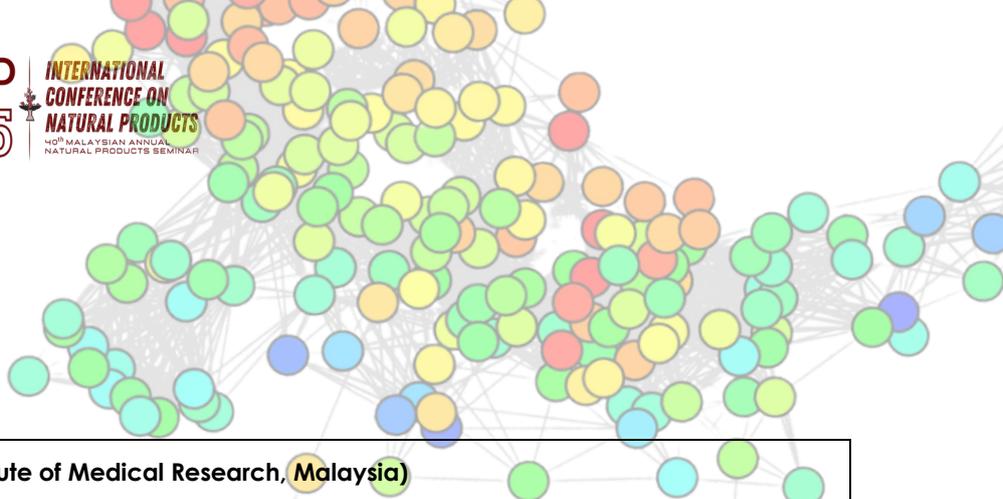


POSTER PRESENTATIONS

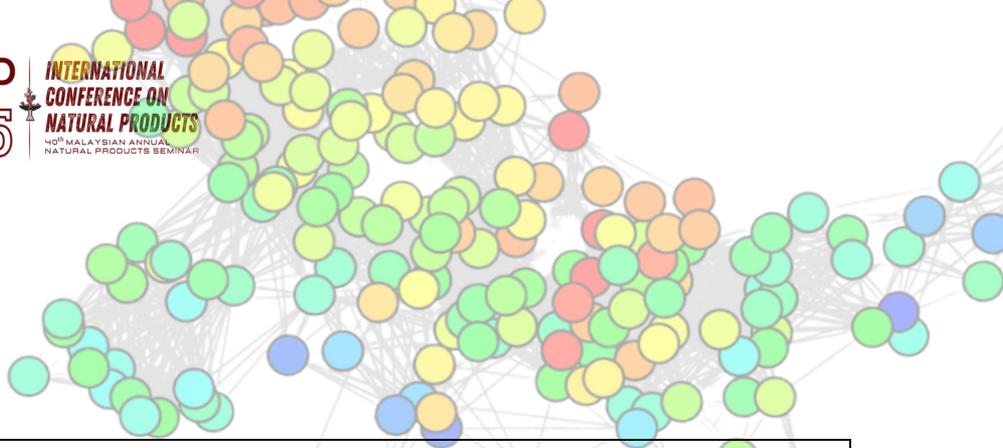
Poster Code	Category: Natural Products Omics
P01	Ms. Syarifah Nadhirah Wan Idrus (Universiti Pendidikan Sultan Idris, Malaysia) Essential Oil and Phytochemical Studies of <i>Piper frustratum</i> Boerl. (<i>Piperaceae</i>)
P02	Ms. Norazrina Md Ramin (Universiti Pendidikan Sultan Idris, Malaysia) Volatile Components and Chemical Constituents of <i>Piper rostratum</i> Roxb. (<i>Piperaceae</i>)
P03	Mr. Azizul Isha (Universiti Putra Malaysia, Malaysia) Phytochemical Characterization and Antibacterial Properties of <i>Persea americana</i> Leaf Extracts Against <i>Vibrio</i> spp. via ¹ H NMR-Based Metabolomics
P04	Dr. Nur Khaleeda Zulaikha Zolkefle (Universiti Putra Malaysia, Malaysia) Acute Oral Toxicity Study of <i>Muntingia calabura</i> Leaves Via Hematological, Biochemical, Histological and ¹ H-NMR-Based Urinary Metabolomics
P05	Ms. Kyungha Lee (Sookmyung Women's University, Korea) LC-MS/MS based Investigation of Phytochemical Biotransformation by Human Skin Bacteria
P06	Assoc. Prof. Dr. Khye Er Loh (Tunku Abdul Rahman University of Management and Technology) Metabolite Profiling of <i>Potassium Oxonate</i> -Induced Hyperuricemic Rat Serum Using ¹ H NMR-Based Metabolomic Approach
P07	Ms. Huong T. Pham (Sookmyung Women's University, Korea) Siderophore-induced Iron Scavenging Modulates Fungal-Bacterial Community Dynamics
P08	Dr. Muhamad Faris Osman (International Islamic University Malaysia, Malaysia) Revisiting Principal Components Analysis in Metabolomics
P09	Dr. Kamalrul Azlan Azizan (INBIOSIS, Universiti Kebangsaan Malaysia, Malaysia) Geographical Variation in Metabolite Profile of <i>Wedelia trilobata</i> Essential Oil (EO): A Multivariate Analysis
P10	Dr. Hamizah Shahirah Hamezah (INBIOSIS, Universiti Kebangsaan Malaysia, Malaysia) Modulation of Brain Arginine Metabolism in Aged Rats by Palm Oil Tocotrienol-Rich Fraction



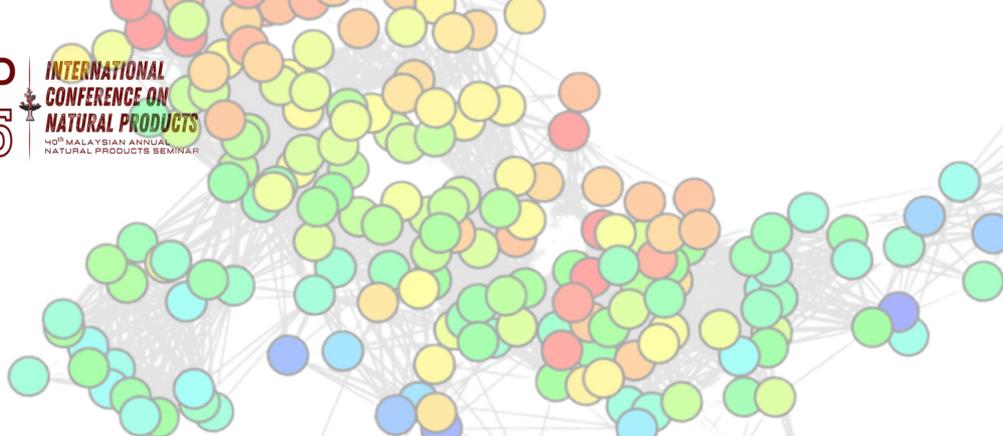
P11	Ms. Azlinah Matawali (Universiti Malaysia Sabah, Malaysia)
	Metabolic Alterations in the Plasma of Patients with Asthma: An Untargeted Metabolomic Analysis
P12	Ms. Anjelica Robert (Universiti Pendidikan Sultan Idris, Malaysia)
	Chemical Composition and Bioactivity Potential of the Essential Oil of <i>Alpinia Glabra</i> Ridl. (<i>Zingiberaceae</i>)
Category: Natural Products Chemistry	
P13	Ms. Yukyung Choi (Sookmyung Women's University, Korea)
	Iodide-Induced SN2/SN2' Inversion Promotes Pseurotin D Biosynthesis in <i>Penicillium janczewskii</i>
P14	Ms. En Wang (Anhui University of Chinese Medicine, China)
	Non-targeted Metabolomic Profiling on <i>Cremastra appendiculata</i> Revealing Potential for Phytochemical Study
P15	Ms. Sheril Nur Haziani Binti Sulainan (Universiti Teknologi MARA, Malaysia)
	Woodiimarin A From Stem Bark of <i>Calophyllum Woodii</i> P. F. Stevens and Its Antimicrobial Activity
P16	Dr. Che Puteh Osman (Universiti Teknologi MARA, Malaysia)
	Malaysian Plants with Antidiabetic Properties
Category: Natural Products Fragrance & Flavors	
P17	Ms. Aliceson Masah (Universiti Pendidikan Sultan Idris, Malaysia)
	Bioactive Insights Into the Essential Oil Composition and Enzyme Inhibitory Effects of <i>Piper ridleyi</i> C.DC. (<i>Piperaceae</i>)
P18	Ms. Audrey Ashleeynus Allhin (Universiti Pendidikan Sultan Idris, Malaysia)
	Insight Into Chemical Composition and Bioactivity Profiling of Essential Oil From <i>Litsea tomentosa</i> Blume (<i>LAURACEAE</i>)
Category: Bioactive Natural Products	
P19	Dr. Murni Nazira Sarian (INBIOSIS, Universiti Kebangsaan Malaysia, Malaysia)
	In Vitro And In Vivo Studies of Selected Flavonoids on Wound Healing and Its Underlying Mechanisms Via Wnt/B-Catenin Pathway
P20	Dr. Vivi Noryati Ahmad (Universiti Teknologi MARA, Malaysia)
	Long-Term Proliferative and Mechanistic Effects of Bajong LN Rice Methanolic Extract on Human Gingival Fibroblasts via IGF-1-Mediated PI3K/AKT/mTOR Pathway in Oral Wound Healing



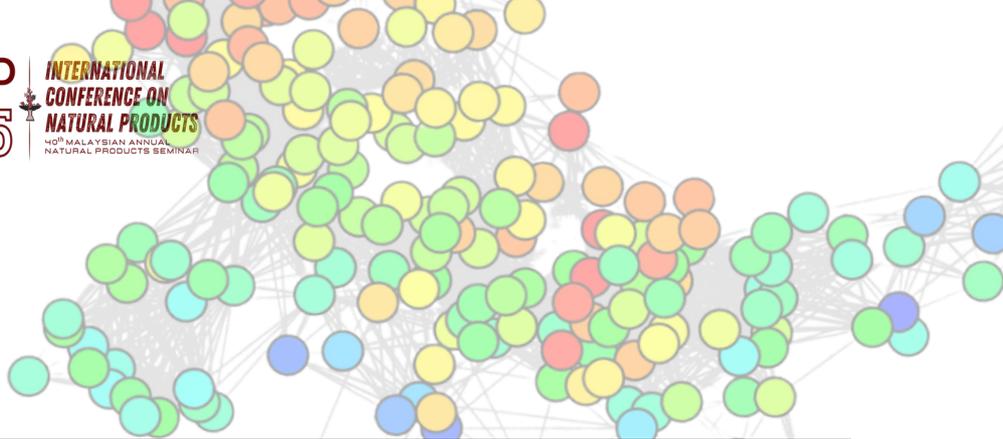
P21	Ms. Umi Rubiah Sastu (Institute of Medical Research, Malaysia)
	Assessment of Acute Oral Administration Effects of <i>Capsicum frutescens</i> and <i>Phyllanthus tenellus</i> in Sprague Dawley Rats
P22	Dr. Nur-Vaizura Mohamad (Faculty of Pharmacy, Universiti Kebangsaan Malaysia, Malaysia)
	Therapeutic Effects of Palm Tocotrienol on Bone and Hormonal Profiles in Ovariectomised Rats
P23	Assoc. Prof. Dr. Nuraliza Abdul Satar (Universiti Teknologi MARA, Malaysia)
	Palm Tocotrienol-Rich Fraction Supplementation Mitigates Oxidative Damage In Embryos Of Female Mice with High-Fat Diet- Induced Obesity
P24	Dr. Habsah Aziz (INBIOSIS, Universiti Kebangsaan Malaysia, Malaysia)
	Comparative Profiling of the Phytochemical Landscape in <i>Polygonum minus</i> using LC-MS/MS and Molecular Networking
P25	Ms. Dorothy Liz June M. Baay (MSU-Iligan Institute of Technology, Philippines)
	Phytochemical Screening and Antioxidant Activities of the Ethanolic Leaf Extracts of "kataka-taka" <i>Kalanchoe pinnata</i> (Lam) Pers.
P26	Prof. Dr. Faridah Abas (Universiti Putra Malaysia, Malaysia)
	Absolute Quantification and Method Validation of Bioactive Metabolites in <i>Ficus racemosa</i> Fruit Extract
P27	Dr. Fadzureena Jamaludin (Forest Research Institute Malaysia, Malaysia)
	Bioactivity and Safety Evaluation of Medicinal Plants from Kg. Embus, Pahang: Scientific Validation of Orang Asli Traditional Knowledge
P28	Dr. Mary Gaik Hong Khoo (Forest Research Institute Malaysia, Malaysia)
	In Vitro Toxicological Evaluation of <i>Brachypterum microphyllum</i> Miq.
P29	Dr. Fauziah Abdullah (Forest Research Institute Malaysia, Malaysia)
	Phytochemical Profiling and xanthine oxidase inhibitory assays evaluation of <i>Brachypterum microphyllum</i> Miq.
P30	Dr. Khadijah Nabilah Mohd Zahri (Forest Research Institute Malaysia, Malaysia)
	Phytochemical Changes and Nutritional Composition of <i>Moringa oleifera</i> Leaf Extract in Simulated Gastrointestinal Digestion
P31	Assoc. Prof. Dr. Juriyati Jalil (Faculty of Pharmacy, Universiti Kebangsaan Malaysia, Malaysia)
	Anti-Inflammatory Properties of Zingiber Constituents through Platelet-Activating Factor Receptor Inhibition



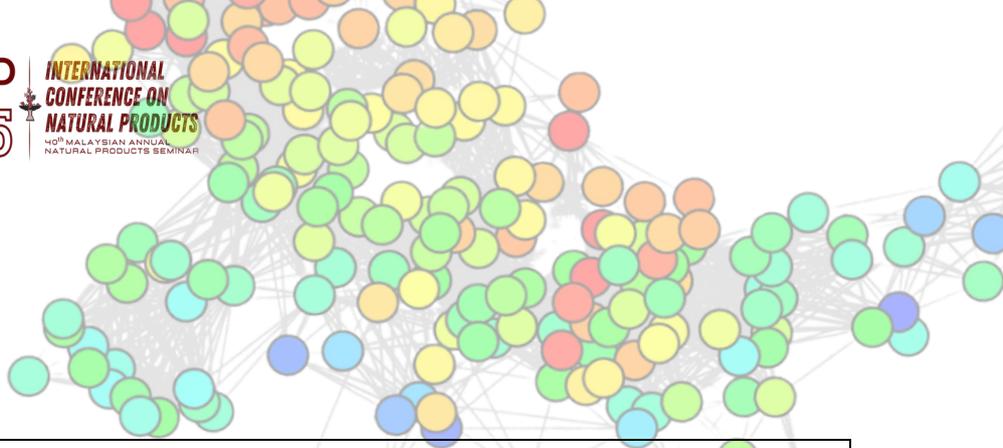
P32	Dr. Wan Nurul Nadia Wan Seman (Institute of Medical Research, Malaysia) Slowing Cellular Aging: <i>O. stamineus</i> as an Anti-Senescence Agent
P33	Ms. Siti Norsyahirah Rosli (Universiti Putra Malaysia, Malaysia) Comparative Analysis of Antioxidant, Antidiabetic and Metabolites of Hot Water and Ethanol Extracts from <i>Cynometra cauliflora</i> L. Fruit
P34	Dr. Anis Low Muhammad Low (Universiti Teknologi MARA, Malaysia) Triggering Cryptic Secondary Metabolites and Antibacterial Potential in Tuba Island's Limestone Cave Soil Actinomycetes
P35	Ms. Saira M. Sultan (Mindanao State University- Iligan Institute of Technology, Philippines) Pharmacological Insights and Therapeutic Potential of <i>Allium chinense</i> G. Don (Sakurab)
P36	Ms. Aina Zalikha binti Zulkpli (Universiti Teknologi MARA, Malaysia) Evaluation of Antioxidant Capacity of Different Solvent Extracts of Engkabang Jantung (<i>Shorea macrophylla</i>) from Sarawak, Malaysia
P37	Dr. Nurul Hidayah Ali (Institute of Medical Research, Malaysia) Ethanol Extract- <i>Eurycoma longifolia</i> Attenuates Dengue Virus Release In Vero Cells
P38	Dr. Shamala Salvamani (IMU University, Malaysia) Palm-Derived Mixed Carotenoids: Targeting Oxidative Stress, Enzyme Activity and Glucose Uptake in Type 2 Diabetes
P39	Mrs. Rasheda Abd Rahman (KPJ Healthcare University, Malaysia) Green Innovation in Oral Healthcare Through the Development of a Therapeutic Peppermint-Based Hydrogel for Topical Oral Application
P40	Assoc. Prof. Dr. Srinivasa Rao Sirasanagandla (Sultan Qaboos University, Muscat, Oman) Phytochemical analysis and Biological Activity Assessment of Active Fractions of Gum Arabic (<i>Acacia senegal</i>)
P41	Dr. Wardah Mustafa Din (Universiti Kebangsaan Malaysia, Malaysia) Perception Gaps among Consumers, Manufacturers and Health Professionals regarding Safe-use of Finished Herbal Products in Malaysia



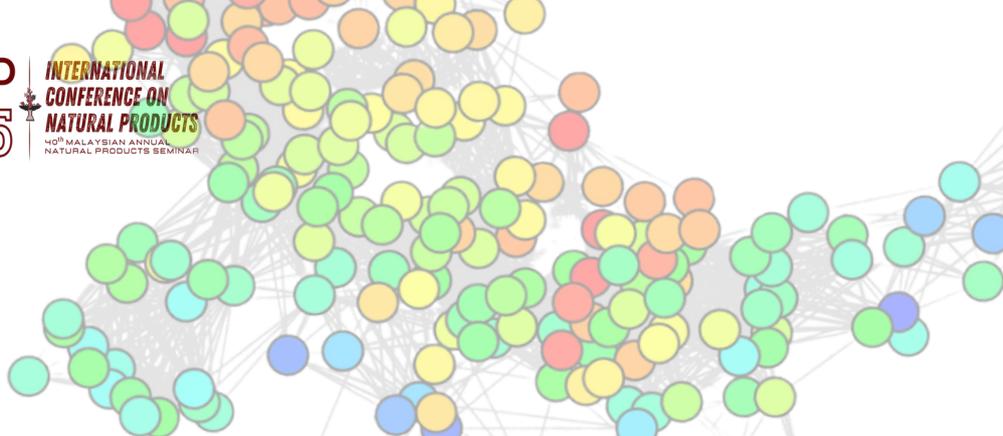
Category: Biotechnology in Health, Food & Agriculture	
P42	Dr. Chien Yeong Wee (Malaysian Agricultural Research and Development Institute, Malaysia) Genetic Diversity Analysis and SSR Marker Panel Development for Variety Identification and Purity Assessment in Capsicum
P43	Dr. Nurul Shazini Ramli (Universiti Putra Malaysia, Malaysia) Influence of Freeze Drying and Spray Drying on the Stability of Polyphenols and Antioxidants in Red Dragon Fruit (<i>Hylocereus polyrhizus</i>)
P44	Nik Abdul Aziz Nik Kamarudin (Institute of Medical Research, Malaysia) Characterization of Secondary Structure and Thermal Properties of a DNA Aptamer Against <i>Borrelia afzelii</i> OspA
P45	Assoc. Prof. Dr. Noor Idayu Mat Zahid (Universiti Malaya, Malaysia) Self-Assembly Behavior and Emulsifying Performance of Branched Alkyl Xylosides
P46	Dr. Maya Erna Natnan (INBIOSIS, Universiti Kebangsaan Malaysia, Malaysia) Dietary Oleic Acid Modulates Lipid Profiles and Enhanced Immunity in Vibrio-Challenged Hybrid Grouper
P47	Mrs. Nur Ainina binti Mohd Noor (INBIOSIS, Universiti Kebangsaan Malaysia, Malaysia) Purification of An Alkali-Tolerant β -Xylosidase from <i>Bacillus lehensis</i> G1 for Sustainable Green Biobleaching
P48	Ms. Wiphawadi Phromphithak (Prince of Songkla University, Thailand) Green-Synthesized Silver Nanoparticles-Coated Foley Catheters to Reduce the Risk of Catheter-Associated Urinary Tract Infections
P49	Mrs. Nurul Saadah Ahmad (Universiti Putra Malaysia, Malaysia) Optimization of Human Serum and Plasma Samples Extraction for Enhanced Lipid Yield Using Untargeted LC-IM-QTOF-MS
P50	Mr. Boshra Mohd Drus (INBIOSIS, Universiti Kebangsaan Malaysia, Malaysia) Fluxomic Analysis of Vibrio resistance Hybrid Grouper treated with oleic Acid as Immune Stimulant
P51	Prof. Dr. Syarul Nataqain Baharum (INBIOSIS, Universiti Kebangsaan Malaysia, Malaysia) Oleic Acid-enriched Diet Modulates Metabolic Pathways and Enhances Immune Response in Hybrid Grouper (<i>Epinephelus fuscoguttatus</i> \times <i>Epinephelus lanceolatus</i>) Infected with Vibriosis



P52	Dr. Emelda Rosseleena Rohani (INBIOSIS, Universiti Kebangsaan Malaysia, Malaysia)
	Metabolomic Profiling of Desiccation Response in Recalcitrant Mangosteen (<i>Garcinia mangostana</i>) Seeds
P53	Dr. Khairul Anwar Ishak (INBIOSIS, Universiti Kebangsaan Malaysia, Malaysia)
	Phase inversion emulsification of different vegetable oils using surfactant mixture of cremophor EL and lipase-synthesized glucose monooleate
P54	Ms. Nur Nabilah Mohd Napi (INBIOSIS, Universiti Kebangsaan Malaysia, Malaysia)
	Synthesis and Physicochemical characterization of Glucose Monooleate using microbial lipases for nanoencapsulation technology
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