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ICNP 2022

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PROGRAMME

REGISTRATION

LOCATION

ICNP2022

International Conference on Natural Products

Hilton Kota Kinabalu, Sabah

21 – 23 September 2022

Programme & Abstracts

*“Sustainable Utilization of Natural
Products for Health and Food
Security”*



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DAY ONE – Thursday, September 22, 2022

8.00 - 8.30 am	Registration and Arrival of Distinguished Guests	
8.30 am	Welcome Remark from Chair (Associate Professor Dr. Monica Suleiman)	
8.40 am	Welcome Remark from MNPS President (Professor ChM. Dr. Nor Hadiani Ismail)	
8.50 am	Opening Speech by VC UMS	
9.00 am	Keynote Lecture (Professor Datuk ChM. Ts. Dr. Taufiq Yap Yun Hin) Ethnobotanical, phytochemicals and bioactivity of medicinal plants from selected Rutaceae family in Sabah Moderator: Associate Professor Dr. Monica Suleiman	
9.30 - 10.15 am	Jack Cannon Lecture (Professor Dato' Dr. Ibrahim Jantan) The changing landscape of natural products research to search for single entity pharmaceutical ingredients and development of multicomponent botanical products Moderator: Professor ChM. Dr. Nor Hadiani Ismail	
10.15 -10.45 am	Poster Presentation Coffee Break	
PARALLEL SESSION 1		
10.45 - 10.50 am	Invited Lectures 1A Moderator: Professor Dr. Khozirah Shaari Secretariat: Dr. Nurulfaizlina Edayah Rasol	Invited Lectures 1B Moderator: Professor Dr. Qamar Uddin Ahmed Secretariat: Dr. Nur Hanisah Azmi
10.50 - 11.20 am	Professor Dr. Jonel P. Saludes <i>Center for Natural Drug Discovery and Development (CND3) and Department of Chemistry University of San Agustin, Gen. Luna St., Iloilo City, Philippines</i> Bioactive natural products from Philippine nutraceuticals	Professor Dr. Habibah A Wahab <i>Collaborative Laboratory for Herbal Standardization (CHEST) School of Pharmaceutical Sciences, Universiti Sains Malaysia Penang, Malaysia</i> Computer aided drug design in predicting anti-malarial activity of kaurene derivatives from <i>Podocarpus polystachyus</i>
11.20 - 11.50 am	Professor Dr. Dachriyanus <i>Faculty of Pharmacy Andalas University, Indonesia</i>	Dr. Mohamad Nurul Azmi Mohamad Taib <i>School of Chemical Sciences Universiti Sains Malaysia, Malaysia</i>

	Recent studies on chemical and biological activities of <i>Garcinia cowa</i>	Therapeutic potential of small molecules from <i>Alpinia conchigera</i> Griff
11.50 - 12.20 pm	Professor Dr. Fasihuddin Badruddin Ahmad Faculty of Resource Science & Technology Universiti Malaysia Sarawak (UNIMAS), Sarawak, Malaysia Phytochemistry and biological activities of <i>Goniothalamus</i> spp. in Malaysia	Dr. Chin-Soon Phan Department of Pharmacy National University of Singapore, 18 Science Dr 4, Singapore Natural products – Biosynthesis
12.20 - 2.00 pm	Poster Presentation Lunch	

PARALLEL SESSION 2

2.00 - 2.10 pm	Oral Presentation 1A Moderators: 1) Professor Dr. Jonel P. Saludes 2) Associate Professor Dr. Nurhuda Manshoor	Oral Presentation 1B Moderators: 1) Professor Dr. Norizan Ahmat 2) Dr. Roza Dianita	Oral Presentation 1C Moderators: 1) Professor Dr. Faridah Abas 2) Dr. Fadzureena Jamaludin	Oral Presentation 1D Moderators: 1) Professor Dr. Habibah A Wahab 2) Dr. Mohamad Shazeli Che Zain
2.10 - 2.25 pm	Hamezah HS (UKM) PO1_2: Effect of tocotrienol rich fraction on brain proteome profiles and cognitive function in transgenic Alzheimer's disease mouse model	Murni Nazira Sarian (UKM) PO19_2: <i>In vivo</i> antidiabetic activity of 5,7-dihydroxy-8-methoxyflavone isolated from mempelas paya's leaf	Martin Muthee Gakuubi (Nanyang Technological University, Singapore) PO21_4: Chemical elicitation as an avenue for the discovery of fungal natural products	Nurhanan Murni Yunos (FRIM) PO8_9: <i>In vitro</i> anti-cancer and <i>in silico</i> evaluations of eurycomanone and eurycomalactone from <i>Eurycoma longifolia</i>
2.25 - 2.40 pm	Mohd Shukri Baba (IIUM) PO2_2: <i>Polygonum minus</i> leaves as promising in-vivo antiparasitic agent with no toxicity effects against <i>Trypanosoma evansi</i> in ICR strain mice	Christophe Wiart (UMS) PO28_2: Isolation and characterization of werneria chromene and dihydroxyacidissimol from <i>Burkillanthus malaccensis</i> (Ridl.) Swingle	Nadiah Mad Nasir (UPM) PO26_4: Investigating the interrelationships between the antioxidant and antimicrobial properties of <i>Curculigo latifolia</i> rhizome and leaf using LC-MS/MS molecular networking approach	Mohamad Jemain Mohamad Ridhwan (UiTM) PO9_9: CYP3A4 site of metabolism (SOM)-based molecular docking and multivariate analysis of substrates and inhibitors: Development of a novel classifier model

2.40 - 2.55 pm	Hidani Hasim (USM) PO3_2: Tualang honey attenuates glutathione depletion in the rat hippocampus following kainic acid administration	Wan Mohd Nuzul Hakimi Wan Salleh (UPSI) PO30_2: Essential oils diversity from the Malayan flora: Recent findings and challenges	Muhamad Faris Osman (IIUM) PO27_4: Resolving a Piper's identity via computational mass spectrometry	Nor Nadiah Abdullah (UiTM) PO10_9: Computational screening of styryl lactone compounds isolated from <i>Goniothalamus</i> species to identify potential inhibitors for dengue virus
	Phoebe Sussana Primus (UM) PO11_2: Chemical constituents	Nurul Shazini Ramli (UPM) PO32_2: Watermelon (<i>Citrullus</i>)	Kartini Kartini (University of Surabaya, Indonesia)	Syahriel Abdullah (UMS) PO23_9: Norlanostane triterpene



3.10 - 3.25 pm	Nurhuda Manshoor (UiTM) PO14_2: Efficient technique for isolation of oligostilbenes from polar extract	Ruzaidi Azli Mohd Mokhtar (UMS) PO33_2: Anti-tuberculosis and anti-dengue activities of selected mangrove plants from Sabah	Mufeda A. H. Gazaem (UiTM) PO40_4: Griseofulvin producing by an endophytic <i>Nigrospora sphaerica</i> of medicinal plant <i>Ocimum basilicum</i> L. in Malaysia	Siti Munirah Mohd Faudzi (UPM) PO25_9: Pyrrolylated-chalcone as new antiepilepsy agent
3.25 - 3.40 pm	Syarul Nataqain Baharum (UKM) PO17_2: Evaluation of neuro protective effects and mechanism of <i>Polygonum minus</i> extract on <i>C. elegans</i> an Alzheimer's disease model	Nur'Izzah Juara (UMS) PO37_2: Volatile composition, phytochemical content and antioxidant activities of wild durian from Sabah, Malaysia	Ahmad Asnawi Mus (UMS) PO42_4: Chemometric analysis of <i>P. bellina</i> volatiles at different flowering period and stages	Sherinah Ideris (UiTM) PO34_9: Molecular docking, drug likeness, ADMET prediction and molecular dynamics simulation of goniotalamin and its analogues as Plasmepsin II inhibitors

3.40 - 3.55 pm	-	Thiruventhan Karunakaran (USM) PO39_2: Cytotoxicity evaluations of ketum leaf extracts prepared using ultrasound assisted extraction technique	Jamia Azdina Jamal (UKM) PO51_4: Quality assessment of <i>Marantodes pumilum</i> (Blume) Kuntze or kacip Fatimah leaves using high performance liquid chromatography fingerprinting combined with chemometric	Natalie Vivien Gunter (Taylor's University) PO41_9: Synthesis of new substituted-phenyl and heterocyclic analogues from 3-hydroxyxanthone and their reactive oxygen species inhibitory activity in H ₂ O ₂ -induced SNU-1 gastric cells
3.55 - 4.40 pm	Poster Presentation Refreshment			
4.40 - 6.00 pm	MNPS 26 th AGM			
7.00 - 10.00 pm	Welcoming Dinner			
END OF DAY 1				
	DAY TWO – Friday, September 23, 2022			
8.30 - 9.15 am	Plenary Lecture 1 (Professor Emeritus Dr. Geoffrey A. Cordell) L.O.V.E. and the future of natural products Moderator: Professor Emeritus Dato' Dr. Md. Ikram Mohd. Said			
9.15 - 9.45 am	Plenary Lecture 2 (Dr. Jaran Jainhuknan) Innovations in hyphenated-mass spectrometry and related fields for natural product research Moderator: Professor Emeritus Dato' Dr. Laily Din			
9.45 - 10.15 am	Poster Presentation Coffee Break			
PARALLEL SESSION 3				
10.15 - 10.20 am	Invited Lectures 2A Moderator: Professor Dr. Fasihuddin Badruddin Ahmad Secretariat: Dr. Nur Hanisah Azmi		Invited Lectures 2B* (Hybrid) Moderator: Associate Professor Dr. Christophe Wiart Secretariat: Dr. Syahriel Abdullah	
10.20 - 10.50 am	Professor Dr. Norizan Ahmat		Professor Dr. Visweswara Rao Pasupuleti	

	<i>Centre of Foundation Studies, Universiti Teknologi MARA</i> Phytochemical, bioactivity and SAR studies of selected <i>Macaranga</i> species	<i>International Relations and Research Collaborations,</i> <i>REVA University,</i> <i>Srinivasa Nagar, Bangalore, India</i> Birds Eye View on Medicinal Plants and Natural Products Towards Human Health
10.50 - 11.20 am	Professor Madya Dr. Intan Safinar Ismail <i>Natural Medicine and Products Research Laboratory, Institute of Bioscience</i> <i>Universiti Putra Malaysia, Selangor, Malaysia</i> <i>Clinacanthus nutans:</i> Evidence-based traditional medicinal-plant as biomedicines source	Dr. Jose Maria Prieto <i>Department of Pharmaceutical and Biological Chemistry</i> <i>UCL School of Pharmacy, London, UK</i> <i>In vitro</i> pro-apoptotic and anti-migratory effects of <i>Marantodes pumilum</i> (syn. <i>Labisia pumila</i>) extracts on human prostate cancer cell lines: Bioguided isolation of a 5-alkenylresorcinol
11.20 - 11.50 am	Professor Dr. Qamar Uddin Ahmed <i>Drug Discovery and Synthetic Chemistry Research Group</i> <i>Department of Pharmaceutical Chemistry, Kulliyyah of Pharmacy</i> <i>International Islamic University, Pahang, Malaysia</i> Antidiabetic studies of <i>Tetracera</i> Species and identification of active principles through chromatography and molecular docking approaches	Dr. Prathapa S Jagannatha <i>Bruker India Scientific Pvt. Ltd. India</i> Chaperone compounds for co-crystallization of small molecules
11.50 - 12.20 am	-	Mr Roy Lim <i>BUCHI Malaysia Sdn. Bhd.</i> Advantages of modern flash chromatography and improvement of the flash chromatography resolution
12.20 - 2.00 pm	Poster Presentation Lunch	
PARALLEL SESSION 4		
	Oral Presentation 2A Moderators:1) Professor Dr. Jamia Azdina Jamal 2) Associate Professor Dr. M. F. M.	Oral Presentation 2B Moderators: 1) Professor Dr. Zainul Amiruddin Zakaria 2) Dr. Wan Mohd Ali
	Oral Presentation 2C Moderators: 1) Associate Professor Dr. Intan Safinar Ismail 2) Dr. Thirumathi	Oral Presentation 2D Moderators: 1) Professor Dr. Dachriyanus



2.10 - 2.25 pm	Chee Cheok Wui (UM) PO44_2: Morindone inhibits the gene expression of mutated p53 and KRAS in colorectal cancer cell lines	Nurhuda Mohamad Anzor (USM) PO53_2: The king's salad: A review on the potential role of <i>Cosmos caudatus</i> (Ulam raja) in Protecting against cancer	Nor Akmalyati Sulong (University College MAIWP International) PO43_9: <i>In silico</i> molecular docking on chemical compounds from Mas cotek (<i>Ficus deltoidea</i>) as phosphoenolpyruvate carboxykinase (PEPCK) inhibitor against type-II diabetes	Norazah Basar (UTM) PO5_8: Optimization of ultrasound-assisted extraction for antioxidant activity in relation to rhoifolin content of <i>Fortunella polyandra</i> using response surface methodology (RSM)
2.25 - 2.40 pm	Iman Nabilah Abd Rahim (UiTM) PO45_2: The safety assessment of Saffron ethanolic extract in atherosclerotic-induced rabbits	Evana Kamarudin (UiTM) PO54_2: <i>Rhodomyrtus tomentosa</i> ameliorates the cutaneous wound healing <i>in vitro</i>	Nor Azizun Rusdi (UMS) PO50_9: <i>In silico</i> prediction and homology modelling of <i>Phalaenopsis bellina</i> terpene synthase fragrant orchid from Borneo	Mohamad Shazeli Che Zain (Nexus Wise Sdn Bhd) PO22_8: Standardization of <i>Melicope ptelefolia</i> extracts for production of high value nutraceutical ingredient for skin health
2.40 - 2.55 pm	Mohammad Amil Zulhilmi Benjamin (UMS) PO46_2: Effect of drying techniques on phytochemical contents and biological activities on selected bamboo leaves	Razif Dasiman (UiTM) PO56_2: Procyanidin C1 attenuates BPS toxicity in early embryonic development: A study on the expression of oxidative stress and apoptosis-related genes	Siok-Geok Chong (UPM) PO4_5: NMR-metabolomics and LCMS analysis on non-organic versus organic soybeans, and fermentation of organic soybean using <i>Rhizopus oligosporus</i>	Emelda Rosseleena Rohani (UKM) PO15_13: Desiccation of mangosteen seed to investigate the recalcitrance behaviour through metabolite analysis
2.55 - 3.10 pm	Chintha Lankatillake (RMIT University, Australia) PO47_2: Antidiabetic effects of <i>Melastoma malabathricum</i> on 3T3-L1 adipocytes	Nur Kartinee Kassim (UPM) PO29_1: Antidiabetic potential of <i>Melicope glabra</i> (Blume) T. G. Hartley (Rutaceae) in high-fat diet and low-dose streptozotocin induced diabetic rats	Pei Lou Wong (UPM) PO6_5: Metabolomics unraveled the bioactive phytochemicals of <i>Syzygium jambos</i>	Siti Zaleha Abd Tahar (UMS) PO18_13: Phytochemical contents and antioxidant activity of selected brown seaweeds (<i>Sargassum</i> sp. and <i>Padina</i> sp.) of Sabah, Malaysia

3.10 - 3.25 pm	Muhammad Sulaiman Zubair (Tadulako University, Indonesia) PO48_2: Immunomodulatory activity of combination of 70% ethanol extract of Benalu batu herb (<i>Begonia medicinalis</i>) and kelor leaf (<i>Moringa oleifera</i>) in wistar male rats	Fadzureena Jamaludin (FRIM) PO35_1: The potential of <i>Derris microphylla</i> bark extract as xanthine oxidase inhibitor	Nur Khaleeda Zulaikha Zolkeflee (UPM) PO7_5: Metabolic alterations in streptozotocin-nicotinamide induced diabetic rats with the treatment of <i>Muntingia calabura</i> L. extract via 1H-NMR based metabolomics	Nor Asnida Asli (UiTM) PO55_13: ZnO nanoparticles incorporated into glutinous rice starch coating to prolong the shelf life of mangoes
3.25 - 3.40 pm	Dao Nguyen (RMIT University, Australia) PO49_2: GAC (<i>Mormodica cochinchinensis</i>) fruit peel extract protects retinal pigment epithelia (RPE) cell from H ₂ O ₂ stress through anti-oxidation and anti-inflammation pathways	Fatimah Salim (UiTM) PO12_1: Alkaloids and flavonoids composition of traditional medicinal value plants from Imbak Canyon Conservation Area (ICCA)	Chuckcris Tenebro (University of San Agustin, Philippines) PO24_6: <i>Streptomyces</i> sp. DSD3025, a halometabolite-producing marine actinomycete with antibacterial and anticancer properties harbors tryptophan 7-halogenase	Wardah Mustafa Din (UKM) PO13_11: Sustainable consumption of natural health products: The ecosystem for safe use
3.40 - 3.55 pm	Izyan Hazirah Zulkurnain (UiTM) PO52_2: Expression of wound healing genes in 3D organotypic skin in response to <i>Hibiscus rosa-sinensis</i> and <i>Centella asiatica</i> extracts combination (HRSCA)	Aidilla Mubarak (UMT) PO36_12: <i>Heterotrigena itama</i> honey reduces weight gain, fat accumulation and glucose intolerance in mice	-	Chai Woon Yao (Monash University) PO20_7: Enhancing rosmarinic acid production of <i>Melissa officinalis</i> with tunable led lights
3.55 - 4.40 pm	Refreshment			
4.40 - 5.30 pm	Prize Announcement and Closing			
END OF DAY 2				