

SCIENTIFIC PROGRAM

PROGRAM SUMMARY**TUESDAY, 26TH MARCH 2019**

1630 – 2000	REGISTRATION (Mendu Room)
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WEDNESDAY, 27TH MARCH 2019

0800 - 0900	REGISTRATION	
0900 - 0930	WELCOMING AND OPENING SPEECH (Grand Ballroom)	
0930 - 1020	JACK CANNON LECTURE (Grand Ballroom)	
1020 - 1050	TEA BREAK (Ballroom Foyer)	
1050 - 1300	PLENARY LECTURES 1, 2 AND 3 (Grand Ballroom)	
1300 - 1400	LUNCH BREAK (Waterfront Café)	
1400-1630	ORAL PRESENTATION SESSION A (PARALLEL)	
	A1 (Ballroom 1)	A2 (Ballroom 2)
09:00 – 16:00	POSTER PRESENTATION & EXHIBITION (Ballroom 3)	
16:30 – 16:50	TEA BREAK (Ballroom Foyer)	
16:50 – 18:00	ANNUAL MEETING OF THE MALAYSIAN NATURAL PRODUCTS SOCIETY (MNPS) (Ballroom 1)	
20:00 - 2230	OPENING CEREMONY & CONFERENCE DINNER	

THURSDAY, 28TH MARCH 2019

0830 - 0950	PLENARY LECTURES 4 AND 5 (Grand Ballroom)	
0950 - 1010	TEA BREAK (Ballroom Foyer)	
1010 - 1150	INVITED LECTURES 1-5 (Grand Ballroom)	
1150-1305	ORAL PRESENTATION SESSION B (PARALLEL)	
	B1 (Ballroom 1)	B2 (Ballroom 2)
1310 - 1400	LUNCH BREAK (Waterfront Café)	
1400- 1600	ORAL PRESENTATION SESSION C (PARALLEL)	
	C1 (Ballroom 1)	C2 (Ballroom 2)
0900 - 1600	POSTER PRESENTATION & EXHIBITION (Ballroom 3)	
1600 - 1630	AWARD PRESENTATION & CLOSING CEREMONY (Ballroom 1)	
1630 - 1700	TEA BREAK	

CONFERENCE PROGRAM

TUESDAY, 26TH MARCH 2019

1630-2000 **REGISTRATION**
 Venue: Foyer Grand Ballroom, Hilton Kuching.

WEDNESDAY, 27TH MARCH 2019

0800 - 0900 **REGISTRATION**
 Venue: Mendu Room

0900 - 0930 **WELCOMING AND OPENING SPEECH**

JACK CANNON LECTURE

Chairperson: **Prof Emeritus Dato' Dr Md. Ikram Bin Mohd Said (UKM)**
 Venue: Grand Ballroom

0930 - 1010 **JCL-01 DEVELOPING EVIDENCE-BASED PHYTOPHARMACEUTICAL PRODUCTS**

Prof Dr Chan Kit Lam
School of Pharmaceutical Sciences, Universiti Sains Malaysia, Pulau Pinang, Malaysia

1020 - 1050 **TEA BREAK**

PLENARY LECTURES

Chairperson: **Prof Dato' Dr Ibrahim Bin Jantan (Taylor University)**
 Venue: Grand Ballroom

1050-1130 **PL-01 IMMUNOMODULATORY FUNCTIONS OF GINSENG-DERIVED COMPOUNDS**

Prof Dr Jae Youl Cho
Department of Integrative Biotechnology, Sungkyunkwan University, Suwon 16419, Korea

1130-1210 **PL-02 ENGINEERING OF KEY GENES OF PLANTS SECONDARY METABOLITES BIOSYNTHETIC PATHWAY**

Assoc Prof Elfahmi
Bioscience and Biotechnology Research Center, Bandung Institute of Technology, Indonesia

1210 - 1250 **PL-03 CHEMICAL DIVERSITY OF FRENCH POLYNESIAN, EAST ASIAN AND OCEANIA LIVERWORTS, FERNS AND EDIBLE MUSHROOMS – BIOTRANSFORMATION AND BIOLOGICAL INTEREST**

Prof Dr Yoshinori Asakawa
Institute of Pharmacognosy, Tokushima Bunri University, Tokushima 770-8514, Japan

0945-1015 **TEA BREAK**

SESSION A (PARALLEL)

ORAL PRESENTATION A1

Chairperson: **Prof Dr Khozirah Shaari (UPM)**

Venue: Ballroom 1

- 1400 -1415 **A1(OP)-01** **THE ASSESSMENT OF 3-INDOLE LACTATE AS PROMISING ANTIMALARIAL AGENT FRACTIONATED FROM ENDOPHYTIC *Streptomyces* SUK10 IN *Shorea ovalis* TREE**
- Assoc Prof Dr Mohd Shukri Baba**
Department of Biomedical Science, Kuliyah of Allied Health Sciences, Universiti Islam Antarbangsa, Kuantan, Pahang, Malaysia
- 1415 - 1430 **A1(OP)-02** **MOTIVES FOR USING KRATOM (*Mitragyna speciosa* Korth.) AMONG REGULAR USERS IN MALAYSIA**
- Dinesh Sangarran Ramachandram**
Centre for Drug Research, USM, Minden, Penang, Malaysia
- 1430-1445 **A1(OP)-03** **SYNTHESIS, ANTIBACTERIAL AND CYTOTOXICITY STUDIES OF EUGENOL AND THYMOL DERIVATIVES**
- Dr Asnuzilawati Asari**
School of Fundamental Science, Universiti Malaysia Terengganu, Kuala Nerus, Terengganu, Malaysia
- 1445 - 1500 **A1(OP)-04** **DEVELOPMENT OF PYRROLYLATED-CHALCONES AS A HIT COMPOUND TO ANTI-INFLAMMATORY AGENTS**
- Dr Siti Munirah Mohd Faudzi**
Department of Chemistry, Faculty of Science, Universiti Putra Malaysia, Serdang, Selangor, Malaysia
- 1500 - 1515 **A1(OP)-05** **DEVELOPMENT OF A NEW CLASS OF DIARYLPENTADIENONE ANALOGUES AS DIPEPTIDYL PEPTIDASE 4 (DPP-4) INHIBITORS**
- Maryam Aisyah Abdullah**
Department of Chemistry, Faculty of Science, Universiti Putra Malaysia, Serdang, Selangor, Malaysia
- 1515 - 1530 **A1(OP)-06** **PHYTOCHEMICAL SCREENING AND BIOLOGICAL ACTIVITIES OF *Barringtonia racemosa* ESSENTIAL OIL ON SOME PATHOGENIC BACTERIA**
- Isaac John Umaru**
Faculty of Resource Science and Technology, Universiti Malaysia Sarawak, Kota Samarahan, Sarawak, Malaysia.
- 1530-1545 **A1(OP)-07** **IMMUNOSUPPRESSIVE EFFECTS OF THE LEAVES OF *Annona muricata* L. ON INNATE AND ADAPTIVE IMMUNE RESPONSES IN MALE *Wistar* Rats**
- Siti Mariam Abdul Wahab**
Drug and Herbal Research Centre, Faculty of Pharmacy, Universiti Kebangsaan

Malaysia, Kuala Lumpur, Malaysia

- 1545 - 1600 **A1(OP)-08** ***Stevia rebaudiana* Bertoni: LC-MS/MS METABOLITE PROFILING AND PRELIMINARY GAMMA-IRRADIATION STUDY ON A LOCAL CULTIVAR**

Dr Lee Soo Yee

*Laboratory of Natural Products, Institute of Bioscience,
Universiti Putra Malaysia, UPM Serdang, Selangor, Malaysia.*

- 1600 - 1615 **A1(OP)-09** ***In vitro* ANTIPLASMODIAL AND CYTOTOXIC PROPERTIES OF *Goniothalamus lanceolatus* CRUDE EXTRACTS**

Fatin Amelina Kaharudin

*Atta-ur-Rahman Institute for Natural Products Discovery,
Universiti Teknologi MARA, Shah Alam, Selangor, Malaysia*

- 1615 - 1630 **A1(OP)-10** **THE ANTIBACTERIAL ACTIVITY OF *PENICILLIUM CITRINUM* ENDOPHYTIC FUNGI FROM FRUITS OF BELIMBING WULUH (*Averrhoa bilimbi* Linn) AGAINST *Salmonella typhi* AND *Staphylococcus aureus***

Wahyu Hidayati

Faculty of Pharmacy and Science, Universitas Muhammadiyah Prof. Dr. Hamka (UHAMKA), Jakarta Timur 13460, Indonesia

ORAL PRESENTATION A2

Chairperson: Assoc. Prof. Dr. Mohd Azlan Nafiah (UPSI)

Venue : Ballroom 2

- 1400 -1415 **A2(OP)-01** **ISOLATION AND CHARACTERIZATION OF SECONDARY METABOLITES FROM DICHLOROMETHANE EXTRACT OF ROOT BARK OF *Morinda elliptica***

Henry Yusufu Wakawa

*Faculty of Resource Science and Technology, Universiti Malaysia Sarawak
Kota Samarahan, Sarawak Malaysia*

- 1415 - 1430 **A2(OP)-02** **PIPERAMIDES AND TERPENOIDS PROFILING FOR DIFFERENTIATION OF *Piper nigrum* L. CHEMOVARS**

Muhamad Faris Osman

*Laboratory of Natural Products, Institute of Bioscience,
Universiti Putra Malaysia, Serdang, Selangor, Malaysia*

- 1430 -1445 **A2(OP)-03** **EXTRACTION, CHARACTERIZATION AND ENRICHMENT OF FLAVONOID-C-GLYCOSIDES FROM OIL PALM (*Elaeis guineensis* Jacq.) MATURE LEAVES AND ASSESSMENT OF THEIR ANTIOXIDANT ACTIVITIES AND WOUND HEALING PROPERTIES**

Mohamad Shazeli Che Zain

Laboratory of Natural Products, Institute of Bioscience, Universiti Putra Malaysia, Serdang, Selangor, Malaysia

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- 1445 - 1500 **A2(OP)-04** **CYCLOOXYGENASE-2 INHIBITORY COMPOUNDS FROM THE LEAVES OF *Glycosmis pentaphylla* (Retz.) A. DC.: CHEMICAL AND *IN SILICO* STUDIES**
- Md. Ruhul Kuddus**
Phytochemical Research Laboratory, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Pharmacy, University of Dhaka, Dhaka-1000, Bangladesh
- 1500 - 1515 **A2(OP)-05** **CLERODANE DITERPENES OF *Croton* species (Euphorbiaceae): STRUCTURE AND STEREOCHEMISTRY**
- Dr Ahmad Nazif Aziz**
School of Fundamental Science, Universiti Malaysia Terengganu, Kuala Nerus, Terengganu, Malaysia
- 1515 - 1530 **A2(OP)-06** **SECONDARY METABOLITES ANALYSIS OF *Premna foetida* Reinw. Ex BLUME TWIGS AND LEAVES BY USING LC-MS**
- Dr Roza Dianita**
School of Pharmaceutical Sciences, Universiti Sains Malaysia, Pulau Pinang, Malaysia
- 1530-1545 **A2(OP)-07** **ANTIOXIDANT, ALPHA-GLUCOSIDASE AND NITRIC OXIDE INHIBITORY ACTIVITIES OF SELECTED ALGERIAN PLANTS AND ¹H NMR BASED METABOLITE PROFILING OF THE ACTIVE EXTRACT**
- Khaoula Hellal**
Laboratory of Natural Products, Institute of Bioscience, Universiti Putra Malaysia, Serdang, Selangor, Malaysia.
- 1545 - 1600 **A2(OP)-08** **METABOLITE PROFILING, BIOLOGICAL ACTIVITY OF SELECTED MARINE SPONGES AND THE ISOLATION OF BIOACTIVE COMPOUNDS FROM *Haliclona* sp.**
- Lee Kah Nyan**
Laboratory of Natural Products, Institute of Bioscience, Universiti Putra Malaysia, Serdang, Selangor, Malaysia.
- 1600 - 1615 **A2(OP)-09** **ACETYLCHOLINESTERASE INHIBITORY ACTIVITY OF THE FERN EXTRACTS OF *Asplenium nidus*, *Nephrolepis biserrata* AND *Cyathea latebrosa***
- Dr Narendra Babu Shivanagere Nagojappa**
School of Pharmacy, Taylor's University, Lakeside Campus, No 1 Jalan Taylor's. Subang Jaya, 47500 Selangor, Malaysia
- 1615 - 1630 **A2(OP)-10** **NEW XANTHONE DERIVATIVES WITH POTENT NITRIC OXIDE PRODUCTION AND CHOLINESTERASE ENZYME INHIBITION ACTIVITIES**
- Loh Zi Han**
School of Biosciences, Taylor's University Lakeside Campus, No. 1, Jalan Taylor's 47500 Subang Jaya, Selangor, Malaysia.

1630-1650	TEA BREAK
1650-1730	ANNUAL MEETING OF THE MALAYSIAN NATURAL PRODUCTS SOCIETY (MNPS) Venue: Ballroom 1
1930-2230	OPENING CEREMONY & CONFERENCE DINNER Venue: Grand Ballroom

THURSDAY, 28TH MARCH 2019**PLENARY LECTURES 4 & 5**

Chairperson: Assoc Prof Dr Norizan Ahmat (UiTM)

Venue: **Grand Ballroom**

- 0830-0910 **PL-04** **LOCAL MEDICINAL PLANTS USED IN BRUNEI DARUSSALAM – ISOLATION AND ITS POTENTIAL BIOLOGICAL ACTIVITY**
- Senior Assistant Prof Dr Nurolaini Kifli**
Pengiran Anak Puteri Rashidah Sa'adatul Bolkiah (PAPRSB) Institute of Health Science, Universiti Brunei Darussalam, Brunei
- 0910-0950 **PL-05** **MODULATORY EFFECTS OF MEDICINAL PLANTS ON INMATE AND ADAPTIVE IMMUNE RESPONSES AND THEIR POTENTIAL AS SOURCES OF NATURAL IMMUNOMODULATORS AND DIETARY SUPPLEMENTS**
- Prof Dato' Dr Ibrahim Bin Jantan**
School of Pharmacy, Taylor's University, Lakeside Campus, No 1 Jalan Taylor's, Subang Jaya, 47500 Selangor, Malaysia
- 0950-1010 **Tea Break**

INVITED LECTURESChairperson: **Dr Nor Azah Mohd Ali (FRIM)**Venue: **Grand Ballroom**

- 1010-1030 **IL-01** **LICHEN STUDIES IN MALAYSIA**
- Prof Emeritus Dato' Laily Bin Din**
Universiti Kebangsaan Malaysia, Bangi, Selangor, Malaysia
- 1030-1050 **IL-02** **NMR-BASED METABOLOMICS APPROACH FOR QUALITY CONTROL OF SELECTED MEDICINAL PLANTS**
- Assoc Prof Dr Faridah Abas**
Laboratory of Natural Products, Institute of Bioscience, Universiti Putra Malaysia, Serdang, Malaysia
- 1050-1110 **IL-03** **LATEST NMR TECHNOLOGY FOR NATURAL PRODUCTS**
- Mr Kwanchai Khongwattananon**
Bruker BioSpin, Thailand
- 1110-1130 **IL-04** **NATURAL PRODUCTS DISCOVERY USING LC/MS TECHNIQUE**
- Chong Huey Bing**
Agilent Technologies, Malaysia

SESSION B (PARALLEL)

ORAL PRESENTATION B1

Chairperson: Assoc Prof Dr Intan Safinar Ismail (UPM)

Venue: Ballroom 1

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| 1130-1145 | B1(OP)-01 | <p>MALAYSIAN HERBAL PLANTS AS POTENTIAL IMMUNOMODULATORS: A REVIEW</p> <p>Assoc Prof Dr Mohd Azlan Nafiah
 <i>Department of Chemistry, Faculty of Science and Mathematics,
 Universiti Pendidikan Sultan Idris, Tanjong Malim, Perak, Malaysia.</i></p> |
| 1145-1200 | B1(OP) -02 | <p>LC-MS/MS METABOLITE PROFILING AND EVALUATION OF THE ANTI-DEPRESSANT EFFECT OF <i>Clitoria ternatea</i> ROOTS</p> <p>Mohd Afiq Ngadni
 <i>Laboratory of Natural Products, Institute of Bioscience, Universiti Putra Malaysia, Serdang, Selangor, Malaysia.</i></p> |
| 1200-1215 | B1(OP)-03 | <p>METABOLITES PROFILING OF <i>Muntingia calabura</i> L. LEAVES AND CORRELATION WITH ANTIOXIDANT AND A-GLUCOSIDASE INHIBITORY ACTIVITIES</p> <p>Nur Khaleeda Zulaikha Zolkeflee
 <i>Laboratory of Natural Products, Institute of Bioscience, Universiti Putra Malaysia, Serdang, Selangor, Malaysia.</i></p> |
| 1215-1230 | B1(OP)-04 | <p>EXPLORING STRUCTURE AND FUNCTION OF A HALOGENASE FROM THE LICHEN <i>Dirinaria</i> sp.</p> <p>Nurain Shahera Hasan
 <i>Centre for Biotechnology and Functional Food, Faculty of Science and Technology, Universiti Kebangsaan Malaysia, 43600 UKM Bangi, Selangor, Malaysia</i></p> |
| 1215-1245 | B1(OP)-05 | <p>THE POTENTIAL OF MANGROVE SPECIES AS FOOD AND COSMETIC PRODUCTS</p> <p>Saidatul Husni Saidin
 <i>Natural Product Division, Forest Research Institute Malaysia (FRIM), Kepong, Selangor, Malaysia</i></p> |
| 1245-1300 | B1(OP)-06 | <p>REVIEWING CURRENT EXTRACTION: SEPARATION CHALLENGES BY USING ROTARY EVAPORATOR. WHAT COULD BE THE SOLUTIONS FOR YOU?</p> <p>Amber Ong
 <i>Lot PT6445, Jalan Industri 3/4, Rawang Integrated Industrial Park, 48000 Rawang, Selangor, Malaysia</i></p> |

ORAL PRESENTATION B2

Chairperson: Prof Dr Zainab Binti Ngaini (UNIMAS)

Venue : Ballroom 2

- 1130-1145 **B2(OP)-01** **EVALUATION OF OXYGEN RADICAL ABSORBANCE CAPACITY (ORAC), ANTIBACTERIAL PROPERTIES AND CHEMICAL CONSTITUENTS OF *Melicope Glabra* (Blume) T.G. Hartley AND *Micromelum minutum* (G. Forst.) Wight and Arn.**
- Dr Nur Kartinee Kassim**
Department of Chemistry, Faculty of Science, Universiti Putra Malaysia, Serdang, Selangor Darul Ehsan, Malaysia.
- 1145-1200 **B2(OP)-02** **ELUCIDATING THE METABOLITE PROFILE OF *ISOCHRYSIS GALBANA***
- Assoc Prof Dr Intan Safinar Ismail**
Department of Chemistry, Faculty Science, Universiti Putra Malaysia, UPM Serdang, Selangor, Malaysia
- 1200-1215 **B2(OP)-03** **UTILIZATION OF SAGO HAMPAS AS A SUBSTRATE IN SOLID STATE FERMENTATION FOR BIOACTIVE COMPOUNDS PRODUCTION**
- Carolynna Buyau James**
Faculty of Resource Science and Technology, Universiti Malaysia Sarawak, 94300 Kota Samarahan Sarawak, Malaysia.
- 1215-1230 **B2(OP)-04** ***Glaciozyma antarctica*: SECONDARY METABOLITES INVOLVED IN COLD ADAPTATION**
- Dr Rozida Mohd Khalid**
Centre of Advance Materials and Renewable Resources, Faculty of Science and Technology, Universiti Kebangsaan Malaysia, Bangi, Selangor
- 1215-1245 **B2(OP)-05** **SYNTHESIS AND BIOLOGICAL ACTIVITIES OF PINOCEMBERIN, PINOSTROBIN AND DERIVATIVES**
- Nyotia Nyokat**
School of Chemistry and Environmental Studies, Faculty of Applied Sciences, Universiti Teknologi MARA Sarawak, Kota Samarahan, Sarawak, Malaysia
- 1245-1300 **B2(OP)-06** **DETERMINATION OF ANTIBACTERIAL AND ANTIOXIDANT PROPERTIES IN METHANOL EXTRACT OF MUD CRAB, *Scylla olivacea***
- Noorasmin Mokhtar**
Faculty of Resource Science and Technology, Universiti Malaysia Sarawak, 94300 Kota Samarahan, Sarawak, Malaysia

SESSION C (PARALLEL)

ORAL PRESENTATION C1Chairperson: **Assoc Prof Dr Mohd Shukri Baba (UIA)**

Venue: Ballroom 1

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| 1400-1415 | C1(OP)-01 | <p>SYNTHESIS OF BORYLATED PORPHYRIN AND BROMO-PORPHYRIN AS BUILDING BLOCKS FOR LIGHT HARVESTING ANTENNA MOLECULE</p> <p>Dr Muntaz Abu Bakar
 <i>School of Chemical Sciences and Food Technology, Faculty of Science and Technology, Universiti Kebangsaan Malaysia, 43600 UKM Bangi, Selangor, Malaysia</i></p> |
| 1415-1430 | C1(OP)-02 | <p>MALAYGIGANTIN A, A NEW FLAVONOID FROM <i>Macaranga gigantea</i> Rechb.f. & Zoll.</p> <p>Muhammad Sulaiman Mohd Johari
 <i>Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Selangor Darul Ehsan, Malaysia</i></p> |
| 1430-1445 | C1(OP)-03 | <p>TETRAMER STILBENOIDS FROM <i>Shorea leprosula</i> (Dipterocarpaceae) AND THEIR BIOACTIVITIES</p> <p>Aisyah Salihah Kamarozaman
 <i>Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Selangor, Malaysia</i></p> |
| 1445-1500 | C1(OP)-04 | <p>EPIDERMAL MUCUS EXTRACTS OF <i>Barbodes everetti</i> AND THEIR ANTIBACTERIAL ACTIVITIES</p> <p>Lee Yang
 <i>Faculty of Resource Science & Technology, Universiti Malaysia Sarawak, Kota Samarahan, Sarawak, Malaysia</i></p> |
| 1500-1515 | C1(OP)-05 | <p>FATTY ACIDS CONSTITUENT, NUTRITIVE VALUE AND ANTI-NUTRITIONAL FACTORS OF <i>Tachypleus gigas</i> (HORSESHOE CRAB) FROM KOTA SAMARAHAN, SARAWAK</p> <p>Naseer Inuwa Durumin Iya
 <i>Faculty of Resource Science and Technology, Universiti Malaysia Sarawak, Kota Samarahan, Sarawak, Malaysia</i></p> |
| 1515-1530 | C1(OP)-06 | <p>GC-MS ANALYSIS OF HEXANE EXTRACTS FROM NATURAL DURABILITY WOOD OF <i>Neobalanocarpus heimii</i>, <i>Eusideroxylon zwageri</i> AND <i>Potoxylon melagangai</i> heartwoods.</p> <p>Nurfarahin Binti Ajlan
 <i>Faculty of Resource Science and Technology, Universiti Malaysia Sarawak, Kota Samarahan, Sarawak, Malaysia</i></p> |
| 1530-1545 | C1(OP)-07 | - |

ORAL PRESENTATION C2

Chairperson :

Venue: Ballroom 2

- 1400-1415 **C2(OP)-01** **TIME DEPENDENT DENSITY FUNCTIONAL THEORY APPROACH IN ELECTRONIC CIRCULAR DICHROISM SPECTRUM SIMULATION FOR MONOTERPENE-DERIVED INDOLE ALKALOIDS**
- Dr Fatimah Salim**
Atta-ur-Rahman Institute for Natural Product Discovery (AuRIns), Universiti Teknologi MARA, Bandar Puncak Alam, Selangor, Malaysia
- 1415-1430 **C2(OP)-02** **THE EFFECT OF DIFFERENT SOLVENTS ON THE EXTRACTION OF DOLICHODIAL IN *Dolichoderus thoracius* (HYMENOPTERA: FORMICIDE)**
- Mrs Shabanun Salwa**
Faculty of Resource Science and Technology, Universiti Malaysia Sarawak, Kota Samarahan, Sarawak, Malaysia
- 1430-1445 **C2(OP)-03** **ANALYSIS AND PHYSICOCHEMICAL PROPERTIES OF CANOLA, CORN, SUNFLOWER AND PALM OIL AS A FEEDSTOCK FOR BIODIESEL**
- Dr Mohd Sani Sarjadi**
Faculty of Science and Natural Resources, Universiti Malaysia Sabah, Jalan UMS, Kota Kinabalu, Sabah, Malaysia.
- 1445-1500 **C2(OP)-04** **SYNTHESIS AND CHARACTERIZATION OF MOLECULARLY IMPRINTED POLYMERS FOR THE EXTRACTION OF CAFFEINE**
- Dr Showkat Ahmad Bhawani**
Faculty of Resource Science and Technology, Universiti Malaysia Sarawak, Kota Samarahan, Sarawak, Malaysia
- 1500-1515 **C2(OP)-05** **BIOLOGICAL PROPERTIES AND BIOACTIVE COMPOUNDS OF ENDOPHYTIC FUNGI ISOLATED FROM *Gynura procumbens* (SAMBUNG NYAWA)**
- Haifa Arghnia A. Jamal**
Faculty of Resource Science and Technology, Universiti Malaysia Sarawak, 94300 Kota Samarahan, Sarawak, Malaysia
- 1515-1530 **C2(OP)-06** **NATURAL PRODUCTS ANALYSIS BY PERKINELMER ATOMIC SPECTROSCOPY TECHNIQUES**
- Ng Poo Chang**
Perkin Elmer Malaysia
- 1530-1545 **C2(OP)-07** -

POSTER PRESENTATION

Time: 0900 – 1600

Venue: Ballroom 3

- PP-01** ***In vitro* ANTIOXIDANT ACTIVITY OF *RHODOMYRTUS TOMENTOSA* LEAVES BY THREE DIFFERENT SOLVENT EXTRACTIONS**
- Evana Kamaruddin**
Faculty of Pharmacy, University Technology MARA, Puncak Alam, Selangor, Malaysia
- PP-02** **TOXICOLOGICAL EVALUATION OF AQUEOUS EXTRACT FROM TERUNG ASAM (*Solanum ferox* Linn.) FRUIT IN ICR MICE**
- Mohd Waznul Adly Mohd Zaidan**
Malaysian Agricultural, Research & Development Institute (MARDI), Persiaran MARDI-UPM, Serdang, Selangor, Malaysia
- PP-03** **STUDY ON PROPHYLACTIC EFFECT OF POLYHERBAL DRUG MIXTURE IN NORMAL AS WELL AS ALLOXAN- INDUCED DIABETIC RATS**
- Tasneem Nayla Mredula**
Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Dhaka, Dhaka-1000, Bangladesh.
- PP-04** **KNOWLEDGE ENHANCEMENT FOR COASTAL/MANGROVE COMMUNITY ON MANGROVE FOREST PLANTS AND THEIR PRODUCTS THROUGH HERBAL AWARENESS PROGRAM**
- Dr Nor Azah Mohamad Ali**
Natural Products Division, Forest Research Institue Malaysia (FRIM), Kepong, Selangor
- PP-05** **ANTI-INFLAMMATORY AND ANTICANCER AGAINST DU-145, HELA, HEPG2 AND MCF-7 CELL LINES OF STAR GRASS (*Hypoxis aurea* L.)**
- Willie Maxwell Nicholas**
Faculty of Applied Sciences, Universiti Teknologi MARA, Jalan Meranek, Kota Samarahan, Malaysia
- PP-06** **PHYSICO-CHEMICAL PROPERTIES AND ANTI-NUTRITIONAL FACTORS IN SEEDS OILS OF *Shorea macrophylla* AND *S. Palembanica* FROM SARAWAK**
- Sahlinah Abdul Rahman**
Faculty Resource Science & Technology, Universiti Malaysia Sarawak, Kota Samarahan, Sarawak, Malaysia.
- PP-07** **SEPARATION OF DIOSCORINE FROM *Dioscorea hispida* TUBER BY CENTRIFUGAL PARTITION CHROMATOGRAPHY WITH EXTREMELY HYDROPHILIC ORGANIC-AQUEOUS SOLVENT SYSTEMS**
- Nor Syaidatul Akmal Mohd Yousof**
Herbal Medicine Research Centre (HMRC), Institute for Medical Research, No.1 Jalan Setia Murni, U13/52, Seksyen U13, Shah Alam, Selangor

- PP-08** **ISOLATION OF NATURAL APORPHINE ALKALOIDS AND THEIR CYTOTOXICITY IN OVARIAN CANCER CELLS**
- Dr Noraziah Nordin**
Basic Medical Sciences, Faculty of Medicine & Health Sciences, Universiti Sains Islam Malaysia, Pandan Indah, 55100 Kuala Lumpur, Malaysia
- PP-09** **GREEN SYNTHESIS AND CHARACTERIZATION OF SILVER NANOPARTICLES (AGNP) USING *Garcinia mangostana* Extract**
- Dr Norazah Basar**
Department of Chemistry, Faculty of Science, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia
- PP-10** **¹H NMR-BASED METABOLOMIC PROFILING FOR IDENTIFICATION OF METABOLITES IN OIL PALM LEAVES INFECTED BY *Ganoderma boninense***
- Azizul Isha**
Laboratory of Natural Products, Institute of Bioscience, Universiti Putra Malaysia, Serdang, Selangor, Malaysia
- PP-11** **PRELIMINARY TOXICITY AND ANTIMICROBIAL STUDY OF *Plectranthus Amboinicus* LEAF EXTRACTS FROM MALACCA**
- Yasmin Tajuddin**
School of Pharmacy, KPJ Healthcare University College, Lot PT 17010, Persiaran Seriemas, Kota Seriemas, 71800 Nilai, Negeri Sembilan, Malaysia
- PP-12** **CHEMICAL COMPOSITION OF ESSENTIAL OILS FROM *Citrus microcarpa* (VARIEGATED)**
- Dr Nurul Iman Aminudin**
Department of Chemistry, Kulliyah of Science, International Islamic University Malaysia, Bandar Indera Mahkota, Kuantan, Pahang, Malaysia.
- PP-13** **Metabolite Profiling and Anti-*Candida albicans* Activity of *Piper betle* L. leaves**
- Dr Siti Nurulhuda Mastuki**
Laboratory of Natural Products, Institute of Bioscience, Universiti Putra Malaysia, Serdang, Selangor, Malaysia
- PP-14** **Effects of Various pH Values on the Extraction Yield of Phenolics, Flavonoid and Antioxidant Activity from *Solanum Ferox* Fruit**
- Dr Zuraida Ab Rahman**
Biotechnology & Nanotechnology, Research Centre, MARDI HQ, Persiaran MARDI-UPM, 43400 Serdang Selangor, Malaysia
- PP-15** **Comparison of Direct and Indirect Extractions of α -mangostin from Mangosteen (*Garcinia mangostana*)**
- Prof Dr Mukram Mohamed Mackeen**
Centre for Advanced Materials and Renewable Resources, Faculty of Science and Technology, Universiti Kebangsaan Malaysia, Bangi, Selangor, Malaysia

- PP-16** **Comparison of Cultivated and Wild *Schizophyllum commune* Using Three Steps of Spectroscopy**
- Dr Choong Yew Keong**
Phytochemistry Unit, Herbal Medicine Research Centre, Institute for Medical Research, 50588 Kuala Lumpur, Malaysia.
- PP-17** **Tyrosinase Inhibition and Free Radical Scavenging Activities of *Clitoria ternatea* Flower**
- Assoc Prof Dr Korawinwich Boonpisuttinant**
Thai Traditional Medicine College (TMC), Rajamangala University of Technology Thanyaburi (RMUTT) Pathumthani 12130, Thailand
- PP-18** **ESSENTIAL OILS AND ANTIBACTERIAL ACTIVITY OF *Citrus hystrix***
- Dr Nor Akmalazura Jani**
Faculty of Applied Sciences, Universiti Teknologi MARA, Cawangan Negeri Sembilan, Kampus Kuala Pilah, 72000, Kuala Pilah, Negeri Sembilan, Malaysia
- PP-19** **THE EFFECT OF DIFFERENT EXTRACTION METHODS ON THE CHEMICAL COMPOSITION OF *Eurycoma Longifolia* jack ROOT EXTRACT.**
- Assoc Prof Dr Ghasak Ghazi Faisal**
Department of Fundamental Dental and Medical Sciences, Kulliyah of Dentistry, International Islamic University Malaysia, Kuantan 25200, Pahang, Malaysia
- PP-20** **Optimisation of Ultrasound Assisted Extraction of *Ananas comosus* Peels Extract**
- Dr. Siti Ernieyanti Hashim**
Department of Chemistry, Faculty of Science, Universiti Teknologi Malaysia, 81310, Johor, Malaysia
- PP-21** ***Ficus deltoidea* var. *kunstleri* GENOTOXICITY EVALUATION: THE BACTERIAL REVERSE MUTATION ASSAY**
- Dr Hussin Muhammad**
Herbal Medicine Research Center, Institute for Medical Research, Jalan Pahang, Kuala Lumpur, Malaysia
- PP-22** **THE ASSESSMENT OF T LYMPHOCYTES RNA LEVEL IN THE ORGANS OF DENGUE VIRUS INFECTED AG129 MICE: EFFECT OF *C. papaya* LEAF JUICE TREATMENT.**
- Dr Mohd Ridzuan Mohd Abd Razak**
Herbal Medicine Research Center, Institute for Medical Research, Jalan Pahang, 50588 Kuala Lumpur, Malaysia
- PP-23** **MESUA FERROIC ACIDS A, B AND C FROM ETHYL ACETATE EXTRACT OF *Mesua ferrea* L. BARK (CLUSIACEAE)**
- Dr Nurunajah Ab Ghani**
Atta-ur-Rahman Institute for Natural Products Discovery, Universiti Teknologi MARA, Bandar Puncak Alam, Selangor, Malaysia

- PP-24 STYRYLLACTONES, ALKALOIDS AND ACETOGENIN FROM THE BORNEO RAINFOREST PLANT**
Nur Vicky Bihud
Atta-ur-Rahman Institute for Natural Product Discovery, Universiti Teknologi MARA, Puncak Alam Campus, Puncak Alam, Selangor, Malaysia
- PP-25 PHENYLPROPANOIDS AND FLAVONES FROM *Asystasia gangetica* (L) T. Anderson var. *micrantha* (Acanthaceae)**
Assoc Prof Dr Norizan Ahmat
Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam, Selangor, Malaysia
- PP-26 ANTIMICROBIAL PROPERTIES OF SELECTED MEDICINAL PLANTS AGAINST CROP PATHOGENIC FUNGI**
Ms Ling Siew Ting
Faculty of Resource Science and Technology, Universiti Malaysia Sarawak, 94300 Kota Samarahan, Sarawak, Malaysia.
- PP-27 ANTI-CANCER AND ANTI-INFLAMMATORY PROPERTIES OF LOCAL BAMBOO (*Dendrocalamus asper*)**
Dayang Ummy Aqila binti Awang Amirudin
Faculty of Applied Sciences, Universiti Teknologi MARA, Jalan Meranek, 94300 Kota Samarahan, Malaysia
- PP-28 PHARMACOLOGICAL EVALUATION OF *Musa paradisiaca* Blossom**
Noor Iman bin Mohd Azhar
Faculty of Applied Sciences, Universiti Teknologi MARA, Jalan Meranek, Kota Samarahan, Malaysia
- PP-29 ANTICANCER, ANTI-INFLAMMATORY, ANTIOXIDANT AND ANTIMICROBIAL ACTIVITIES OF *Areca catechu***
Siti Farinah binti Jaiddin
Faculty of Applied Sciences, Universiti Teknologi MARA, Jalan Meranek, Kota Samarahan, Malaysia
- PP-30 RECYCLING HPLC FOR THE PURIFICATION OF OLIGOSTILBENES FROM *Dipterocarpus semivestitus* AND *Neobalanocarpus heimii* (Dipterocarpaceae)**
Dr Nurhuda Manshoor
Faculty of Pharmacy, Universiti Teknologi MARA Selangor, Bandar Puncak Alam, Malaysia
- PP-31 SYNTHESIS AND ANTIBACTERIAL ACTIVITIES OF 2-PHENYL-4H-CHROMENONE (FLAVONE)**
Charles Rolend Richard
Faculty of Applied Sciences, Universiti Teknologi MARA, Jalan Meranek, Kota Samarahan, Malaysia
- PP-32 ¹H NMR-BASED METABOLICS FOR DISCRIMINATION OF NONI FROM DIFFERENT SOIL CONDITION**
Dr Vivien Jong Yi Mian

Faculty of Applied Sciences, Universiti Teknologi MARA, Jalan Meranek, Kota Samarahan, Sarawak, Malaysia

- PP-33 A REVIEW OF THE ANTIOXIDATIVE PROPERTY OF KESUM (*Polygonum minus* aka *Persicaria minor*) VALIDATED THROUGH MEMORY BOOSTING, ANTI-INFLAMMATORY AND IMMUNE BOOSTING EFFECTS.**

Dr Annie George

Biotropics Malaysia Berhad, Lot 21, Jalan U1/19, Section U1, Hicom-Glenmarie Industrial Park, Shah Alam, Selangor, Malaysia.

- PP-34 PROXIMATE COMPOSITION, MINERAL CONTENT AND ANTI-NUTRITIONAL FACTORS OF *Cassia fitula* AND *Erythrophelum suaveolens* (FABACEAE) SEED FLOUR AS WELL AS FATTY ACID COMPOSITION OF ITS SEED OIL**

Hasria Nisa Abu Hassan

Faculty of Resource Science & Technology, Universiti Malaysia Sarawak, 94300 Kota Samarahan, Sarawak, Malaysia

- PP-35 CHEMICAL COMPOSITION OF ESSENTIAL OILS FROM *Callistemon viminalis* AND *C. salignus* (MYRTACEAE)**

Syadiyah Maisarah Binti Suparan.

Faculty of Resource Science and Technology, Universiti Malaysia Sarawak, 94300 Kota Samarahan, Sarawak

- PP-36 FATTY ACID DISTRIBUTION IN LIVER AND MUSCLE OF RAYS**

Nuraina Binti Mohd Atan

Faculty of Resource Science and Technology, Universiti Malaysia Sarawak, 94300 Kota Samarahan, Sarawak, Malaysia.

- PP-37 ANTIOXIDANT, ANTIMICROBIAL, ANTI-DIARRHEAL AND ANALGESIC ACTIVITIES OF *Diospyros malabarica* (Desr.) Kostel.**

Md. Ruhul Kuddus

Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Dhaka, Dhaka-1000, Bangladesh.

- 1530-1630 CLOSING CEREMONY
Venue: Grang Ballroom**

- 1630-1700 TEA BREAK**