14th August 2018

Conference Hall, Faculty of Science & Technology

**Oral Presentation**

**OLEOCHEMICALS (OC)**

Chairperson: **Dr. Muntaz Abu Bakar**

Session: 1

|  |  |  |  |  |
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| **Time** | **Code** | **Name** | **Institution** | **Title** |
| 0900 | OC1 | Muntaz Abu Bakar | UKM,  Malaysia | KAJIAN AKTIVITI ANTIBAKTERIA BAGI BIOSELULOSA DENGAN EKSTRAK *Cinnamomum zeylanicum* TERHADAP BAKTERIA JERAWAT *Staphylococcus aureus* |
| 0915 | OC2 | Siti Faieza Abd. Hadi | UKM,  Malaysia | CHEMICAL CONVERSION OF OMEGA HYDROXY NONANOIC ACID AND ITS CHARACTERISTICS |
| 0930 | OC3 | Muhammad Fadhli Kamaruzaman | UKM,  Malaysia | CATALYTIC DECARBOXYLATION OF PALM FATTY ACID DISTILLATE (PFAD) OVER NICKEL AND COBALT SUPPORTED ON MESOPOROUS SILICA SBA-15 FOR GREEN DIESEL PRODUCTION |

\* Oral presentation time is 15 minutes including Q&A session.

14th August 2018

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**Oral Presentation**

**SYNTHESIS & MODIFICATION (SM)**

**DRUG DELIVERY & PHARMACEUTICALS (DD)**

Chairperson: **Assoc. Prof. Dr. Mohamad Azwani Shah Mat Lazim**

Session: 2

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| **Time** | **Code** | **Name** | **Institution** | **Title** |
| 1400 | SM1 | Darfizzi Derawi | UKM,  Malaysia | SYNTHESIS OF FOOD-GRADE GREASE FROM PALM STEARIN FATTY ACIDS BASED |
| 1415 | SM2 | Nur Ellina Annisa Salehuddin | UKM, Malaysia | THE EFFECT OF SODIUM HYDROXIDE CONCENTRATION ON CARBOXYMETHYL SUBSTITUTION SITE OF CARBOXYMETHYL CHITOSAN |
| 1430 | SM3 | Nurazira Mohd Nor | UKM, Malaysia | MODIFICATION AND EVALUATION OF PHYSICOCHEMICAL PROPERTIES OF PALM OIL AS POTENTIAL INDUSTRIAL BIOLUBRICANT |
| 1445 | SM4 | Emad Yousif | UKM, Malaysia | PHOTOSTABILITY OF PVC FILMS BY USING SAFETY SYNTHETIC BIO-LUBRICANT AS ADDITIVES |
| 1500 | SM5 | Teh Lee Peng | UKM, Malaysia | INFLUENCE OF AGING TIME IN MESOPOROUS ZSM5 FOR CO METHANATION |
| 1515 | DD1 | Nurul Izzaty Hassan | UKM, Malaysia | DESIGNING OF BIORATIONAL INSECTICIDE AGAINST BAGWORM, *METISA PLANA (LEPIDOPTERA: PSYCHIDAE)* INFESTATION ON PALM OIL BY COMPUTER AIDED MOLECULAR DESIGN APPROACH |

\* Oral presentation time is 15 minutes including Q&A session.

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**Oral Presentation**

**BIOMASS & NATURAL RESOURCES (BM)**

**NANAOMATERIALS (NM)**

**OILS & FATS ANALYSIS (OA)**

**PROCESS ENGINEERING (PE)**

Chairperson: **Dr. Teh Lee Peng**

Session: 3

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| **Time** | **Code** | **Name** | **Institution** | **Title** |
| 1545 | BM1 | Sharifah Nabihah Syed Jaafar | UKM,  Malaysia | CATALYIC CONVERSION OF CORE OIL PALM TRUNK SAP INTO PHENOL HYDROXYMETHYLFURFURAL |
| 1600 | NM1 | Nyak Syazwani Nyak Mazlan | UKM, Malaysia | EFFECT OF COAGULATION TEMPERATURE ON REGENERATED CELLULOSE MEMBRANE |
| 1615 | OA1 | Tengku Rozaina Tengku Mohamad | UMT, Malaysia | CHEMICAL COMPOSITION, THERMAL PROPERTIES AND OXIDATIVE STABILITY OF COFFEE OILS (*Arabica* sp. AND *Robusta* sp.) |
| 1630 | OA2 | Majd Ahmed Jumaah | UKM, Malaysia | OPTIMIZATION SEPARATION OF SATURATED AND UNSATURATED FATTY ACIDS FROM PALM FATTY ACID DISTILLED BY LOW TEMPERATURE METHANOL CRYSTALLIZATION |
| 1645 | PE1 | Nurin Saqinah Jasrin | UTHM, Malaysia | ANALYSIS OF RADIOACTIVITY LEVELS IN DETERGENT BY USING BLOOD-A REVIEW |
| 1700 | PE2 | Nor Farah Amirah Nor Azman | UTHM, Malaysia | RADIATION EFFECTS ON THE INTEGRITY OF PAPER- A REVIEW |
| 1715 | PE3 | Nurul Fathihah Abu Bakar | UTHM, Malaysia | GAMMA RADIATION EFFECTS ON BIO-PLASTIC FOR PACKAGING APPLICATION: A REVIEW |

\* Oral presentation time is 15 minutes including Q&A session.

15th August 2018

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**Oral Presentation**

**POLYMER MATERIALS (PM)**

**LIPID BIOTECHNOLOGY (LB)**

**OTHER (OT)**

Chairperson: **Dr. Farah Hannan Anuar / Dr. Rozida Mohd. Khalid**

Session: 4

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| **Time** | **Code** | **Name** | **Institution** | **Title** |
| 0945 | PM1 | Law Kung Pui | Taylor’s University,  Malaysia | PRODUCTION AND ANTIBACTERIAL ACTIVIY OF BIOACTIVE CHITOSAN POLYMER EMBEDDED WITH BENZOYL SUBSTITUTED PYRIDYL-PYRAZOLE DERIVATIVES AGAINST PATHOGENIC BACTERIAL STRAINS |
| 1000 | PM2 | Muhammad Faizal Mohamed Kassim | UKM, Malaysia | SYNTHESIS AND CHARACTERIZATION OF BIO-BASED POLYURETHANE POLYCATION |
| 1015 | PM3 | Nur Hasyareeda Hassan | UKM, Malaysia | PEMBANGUNAN POLIMER ELEKTROLIT GEL BERASASKAN PVdF-HFP-[BMIM][PF6] dan PVdF-HFP-LiClO4-[BMIM][PF6] UNTUK APLIKASI BATERI ION LITIUM |
| 1030 | PM4 | Afifah Muhamad Sidik | UKM, Malaysia | CHARACTERIZATION OF MIXED MATRIX POLY(L-LACTIC ACID)- POLY(ETHYLENE GLYCOL) COPOLYMER WITH ACTIVATED CARBON FILLER FOR MEMBRANE APPLICATION IN PALM OIL MILL EFFLUENT TREATMENT |
| 1045 | PM5 | Azizah Baharum | UKM, Malaysia | DECAY RESISTANCE OF WPC: THE ROLE OF CINNAMON POWDER |
| 1100 | LB1 | Rozida Mohd. Khalid | UKM, Malaysia | *Glaciozyma antarctica*: A NOVEL SOURCE OF FUNCTIONAL LIPIDS |
| 1115 | OT1 | Masni Mat Yusoff | UPM, Malaysia | POTENTIAL OF *Moringa oleifera* KERNEL OIL AND PROTEIN IN FOOD PRODUCT FORMULATIONS |
| 1130 | OT2 | Nurulain Mustafa Udin | UPM,  Malaysia | OBSERVATIONAL STUDY: UNDERSTANDING DERMAL EXPOSURE TO PESTICIDE AMONG SPRAYERS IN DIFFERENT AGRICULTURE SUBSECTORS IN MALAYSIA WITH DREAM |
| 1145 | OT3 | Nurul Huda Abd Karim | UKM, Malaysia | POTENTIAL OF METAL SALPHEN COMPLEX FOR DETERMINATION OF PORCINE DNA |
| 1200 | OT4 | Siti Zulaikha Rusmadi | UPM, Malaysia | CYTOTOXICITY OF GLYPHOSATE FORMULATION WITH POEA AND PALM OIL-BASED ADJUVANT ON HUMAN EPIDERMAL CELL LINE |
| 1215 | OT5 | Nizaha Juhaida Mohamad | UMT, Malaysia | GREEN LEAF LIPID EXTRACT AS NATURAL FLOW ENHANCER IN FAT-BASED FOOD SUSPENSIONS |

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**Oral Presentation**

**BIOENERGY & GREEN TECHNOLOGY (BE)**

**CATALYST & ENZYME TECHNOLOGY (CE)**

Chairperson: **Dr. Suria Ramli**

Session: 5

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| **Time** | **Code** | **Name** | **Institution** | **Title** |
| 1430 | BE1 | Muhammad Zhaahir Sidek | UKM,  Malaysia | BIOGAS PURIFICATION TECHNOLOGY: A REVIEW ON ADSORPTION TECHNOLOGY AND ITS ADSORBENT MATERIAL |
| 1445 | CE1 | Chia Chia Hua | UKM, Malaysia | PALLADIUM ON CHITOSAN-COATED MANGANESE FERRITE FOR 4-NITROANILINE REDUCTION |
| 1500 | CE2 | Khairul Basyar Baharudin | UKM, Malaysia | MESOPOROUS NI/AL-SBA-15 CATALYST FOR SOLVENT-FREE DEOXYGENATION REACTION OF PALM FATTY ACID DISTILLATE IN ADVANCED BIOFUELS PRODUCTION |
| 1515 | CE3 | Boon-Beng Lee | UMP, Malaysia | MICROENCAPSULATION USING DOUBLE EMULSION (W1/O/W2) METHOD: EFFECT OF EMULSION FORMULATION AND HOMOGENISATION METHOD |
| 1530 | CE4 | Noor Azeerah Abas | MPOB, Malaysia | SOLID ACID CATALYZED ESTERIFICATION OF LAURIC ACID ASSISTED BY MICROWAVE HEATING |
| 1545 | CE5 | Siah Ying Tang | Monash University, Malaysia | TUNABLE DROPLET STABILITY OF PALM OLEIN-BASED PICKERING EMULSIONS STABILIZED BY Fe3O4@CNC NANOCOMPOSITES |

\* Oral presentation time is 15 minutes including Q&A session.