



PROGRAM TENTATIVE & PRESENTATION SCHEDULE

DAY 1: 24th MAY 2021 (MONDAY)

PLATFORM:

FACEBOOK UMK (<http://www.facebook.com/OfficialUMK>), and
MAIN ROOM of MICROSOFT TEAMS (http://bit.ly/IConBET2021_MainRoom)

Time	Agenda
8.00 – 8.30 am	Registration
8.30 – 9.30 am	Opening Ceremony by Prof. Dato' Dr. Noor Azizi Bin Ismail , Vice Chancellor of Universiti Malaysia Kelantan (UMK)
9.30 – 10.30 am	Keynote Address I: Prof. Ir. Dr. Mohd Sapuan Salit (Universiti Putra Malaysia) <i>Engineering Biocomposites: Transforming Towards Circular Economy</i>

**SESSION 1: BIOINDUSTRIAL TECHNOLOGY****ROOM 1 of MICROSOFT TEAMS (http://bit.ly/IConBET2021_Room1)**

Time	Presentation
10.30 – 11.00 am	Invited Speaker: Assoc. Prof. Dr. Wan Iryani Wan Ismail (Universiti Malaysia Terengganu) <i>Holistic Innovation in Stingless Beekeeping towards Commodity 2.0 in Malaysia</i>
11.05 – 11.25 am	BT06: Miss Nurul Ainaa Binti Md Zuki <i>Effects of BG11, SKM and MKM culture media on optical density of Spirulina platentis cultivation</i>
11.30 – 11.50 am	BT14: Miss Nik Fatin Qharanie Binti Nik Mohd Kamaruzaman <i>Isolation of plant growth promoting bacteria from paddy (Oryza sativa) rhizosphere</i>
11.55 – 12.15 pm	BT22: Mrs. Zaitul Iffa Binti Abd. Rasid <i>Effect of HLB value on the VCO-Based O/W emulsion stability and rheological behaviours</i>
12.20 – 12.40 pm	BT23: Mrs. Zeehana Mohamed <i>Identification of hazard and risk surrounding the workstation in vocational colleges</i>
12.45 – 1.05 pm	BT25: Dr. Wee Seng Kew <i>Degradation of palm pressed fibres via microbial fenton reaction</i>
1.10 – 1.30 pm	BT31: Dr. Owi Wei Tieng <i>Microbial curdlan production in media supplemented with un-ripened and ripened coconut water as carbon source</i>


SESSION 2: WOOD AND FOREST TECHNOLOGY
ROOM 1 of MICROSOFT TEAMS (http://bit.ly/IConBET2021_Room1)

Time	Presentation
2.30 -3.00pm	Invited Speaker: Prof. Dr. Ali Temiz (Karadeniz Technical University, Turkey) <i>Green Technologies on Wood Protection</i>
3.05 – 3.20 pm	WFT03: Miss Shaharlina bt Abd Rasid <i>Physical properties of 26 years old Sentang (Azadirachta excelsa) planted at Batu Melintang, Jeli, Kelantan</i>
3.25 – 3. 45 pm	WFT10: Dr. Norani Binti Abd Karim <i>Strength properties of mixed cocopeat fibres and Merawan Siput Jantan (Hopea Odorata spp.) bonded with partial rubber latex adhesive and nano- SiO₂ in particleboard manufacturing</i>
3.50 – 4.10 pm	WFT12: Mr. Muhammad Iqbal Ahmad <i>Torrefaction of empty fruit bunches (EFB) materials adopted in microwave scale reactor</i>
4.15 – 4.35 pm	WFT15: Dr. Andi Hermawan <i>Fabrication of particleboard using waste expanded polystyrene (EPS) as binder</i>

**SESSION 3: ENVIRONMENTAL TECHNOLOGY****ROOM 2 of MICROSOFT TEAMS (http://bit.ly/IConBET2021_Room2)**

Time	Presentation
10.30 – 11.00 am	Invited Speaker: Assoc. Prof. Dr. Hasrizal bin Shaari (Universiti Malaysia Terengganu) <i>Geochemical Record of The Holocene Epoch in The Coastal Area of Malacca Strait</i>
11.05 – 11.25 am	ET06: Dr. Nursufiah Sulaiman <i>Comparison of optical mounting media used on calcareous nannofossil analysis of Temburong formation</i>
11.30 – 11.50 am	ET08: Miss Rohazaini Muhammad Jamil <i>Landslide susceptibility mapping using the geographic information system (GIS) approach in Temangan, Tanah Merah Kelantan</i>
11.55 – 12.15 pm	ET15: Assoc. Prof. Dr. Mohamad Faiz Mohd Amin <i>Potential of natural-based polymers for particle and humic acid removal from wastewater</i>
12.20 – 12.40 pm	ET24: Miss Madhuri A/P Bharathithasan <i>Areca catechu Linn as a potential insecticide for mosquitoes</i>
12.45 – 1.05 pm	ET25: Dr. Muhamad Azahar Abas <i>Technology adoption for municipal solid waste management (MSWM) in Malaysia</i>

**SESSION 4: ENVIRONMENTAL TECHNOLOGY****ROOM 2 of MICROSOFT TEAMS (http://bit.ly/IConBET2021_Room2)**

Time	Presentation
2.30 – 2.50 pm	ET26: Assoc. Prof. Dr. Lam Sze Mun <i>Sunlight-driven photocatalytic fuel cell with WO₃/rod-like ZnO/Zn photoanode for food wastewater treatment and electricity production</i>
2.55 – 3.15 pm	ET27: Assoc. Prof. Dr. Sin Jin Chung <i>Response surface approach for visible light-driven photodegradation of sunset yellow over flower-like BiOBr hierarchical structures</i>
3.20 – 3.40 pm	ET28: Dr. Zubaidah Aimi Abdul Hamid <i>Modification the silicone based antifoam formulation for industrial surfactant</i>
3.45 – 4.05 pm	ET32: Dr. Hafzan Eva Mansor <i>Physical and chemical characteristics of bottom sediments from the Kelantan River, Tumpat, Kelantan</i>
4.10 – 4.30 pm	ET34: Mr. Ameer Sabrin Muhamad Shukri <i>Campus community participation on single-bin recycling system</i>
4.35 – 4.55 pm	ET35: Mr. Ismail Fitri Bin Mohd Hafidz <i>Decolorization potential of bacteria isolated from Sungai Lembing hot springs and Ganoderma lucidum on methyl red dye</i>


SESSION 5: MATERIALS SCIENCE TECHNOLOGY
ROOM 3 of MICROSOFT TEAMS (http://bit.ly/IConBET2021_Room3)

Time	Presentation
10.30 – 11.00 am	Invited Speaker: Assoc. Prof. Muhamad Azizi Mat Yajid (Universiti Teknologi Malaysia) <i>Advancement of Silica Aerogels for Engineering Applications</i>
11. 05 – 11. 25 am	MST07: Miss Siti Koriah Zakaria <i>Characterization and morphological analysis of organic calcium carbonate filled polypropylene</i>
11.30 – 11.50 am	MST09: Miss Rose Alifah Ellyana Roslan <i>Numerical simulation of arc behaviors in TIG/MIG hybrid welding process</i>
11.55 – 12. 15 pm	MST12: Miss Norzakiatul Husna binti Isnolamran <i>Effect of crisaborole and VCO content on rheological behavior of VCO-based hexagonal liquid crystals</i>
12.20 – 12.40 pm	MST16: Mr. Rathesh Kumaran A/L Ulaganathan <i>Preparation and characterization of cellulose nanocrystals (CNC) reinforced polyvinyl alcohol (PVA) Bio-nanocomposite</i>
12.45 – 1.05 pm	MST18: Miss Nur Aiman Binti Mohamad Senusi <i>Preparation and characterization of PVA/CNC/CNT nanocomposite</i>

**SESSION 6: MATERIALS SCIENCE TECHNOLOGY**ROOM 3 of MICROSOFT TEAMS (http://bit.ly/IConBET2021_Room3)

Time	Presentation
2.30 – 2.50 pm	MST26: Mr. Airel Jashimiey Bin Arifin <i>Effect of travel angle on microstructure at heat affected zone of as welded carbon steel</i>
2.55 – 3.15 pm	MST33: Assoc. Prof. Dr. Aweng a/l Eh Rak <i>Effect of portions and particle sizes on energy content of oil palm fronds</i>
3.20 – 3.40 pm	MST41: Dr. Mohd Fahmi Mohd Yusof <i>Characterization and dosimetric evaluation of several types of polyvinyl alcohol (PVAL) gel materials as tissue equivalent phantoms for mammography</i>
3.45 – 4.05 pm	MST43: Dr. Ismudiati Puri Handayani <i>The effect of micro sized graphite insertion on light absorption and output of TiO₂ based solar cell</i>
4.10 – 4.30 pm	MST44: Dr. Johari Yap Abdullah <i>Reimagining innovation in cranial reconstruction: Virtual planning and cost effectiveness of additive manufacturing</i>
4.35 – 4.55 pm	MST45: Miss Noraini Safar Binti Che Harun <i>The effectiveness of K/Al₂O₃ and Ca/Al₂O₃ heterogeneous catalysts in the extraction of naphthenic acid from petroleum crude oil</i>


SESSION 7: ENERGY TECHNOLOGY
ROOM 4 of MICROSOFT TEAMS (http://bit.ly/IConBET2021_Room4)

Time	Presentation
10.30 – 11.00 am	Invited Speaker: Assoc. Prof. Dr. Mohd Shahrul Bin Mohd Nadzir (Universiti Kebangsaan Malaysia) <i>The rise of AiRBOXSense: Making Sense of Low-Cost Sensor Technology for Air Pollution Monitoring</i>
11.05 – 11.25 am	ENT01: Miss Aisyah Fathiah Ahmad <i>Characteristic properties of the coconut oil (Cocos nucifera L.) from fresh and waste coconut pulp via direct transesterification process for biodiesel production</i>
11.30 – 11.50 am	ENT02: Miss Nursyamimi Binti Zulkurnain <i>Biodiesel production from low grade cooking oil using calcium oxide based catalyst: preparation and characterization</i>
11.55 – 12.15 pm	ENT04: Dr. Hidayani Jaafar <i>Efficient eco-friendly hybrid natural dyes as sensitizer for DSSC application</i>
12.20 – 12.40 pm	ENT09: Dr. Natanamurugaraj Govindan <i>Production of lipids by Tetraselmis sp. grown in palm oil mill effluent</i>
12.45 – 1.05 pm	ENT12: Dr. Bishma Karki <i>Validity of NU method for relativistic energy of Dirac equations with central potential</i>


SESSION 8: MINERAL AND MINING TECHNOLOGY
ROOM 4 of MICROSOFT TEAMS (http://bit.ly/IConBET2021_Room4)

Time	Presentation
2.30 – 3.00 pm	Invited Speaker: Assoc. Prof. Ir. Ts. Dr. Mohd Hazizan bin Mohd Hashim (Universiti Sains Malaysia) <i>Sustainable Development in Mining: Challenges and Future Directions</i>
3.05 – 3.25 pm	MMT01: Dr. Noorzamzarina binti Sulaiman <i>Iron ore potential mapping using magnetometric surveys in tropical region: Case study in Merapoh, Pahang, Malaysia</i>
3.30 – 3.50 pm	MMT07: Dr. Roniza Ismail <i>Correlation of heavy metal concentration in selected hyperaccumulator plants to the lithologies in Sokor, Kelantan</i>

SESSION 9 (SPONSOR'S TALK)
ROOM 4 of MICROSOFT TEAMS (http://bit.ly/IConBET2021_Room4)

Time	Presentation
4.15 – 5.15 pm	Dr. Andrew Menzies Senior Application Scientist, Bruker Nano Analytics GmbH <i>Advancing Life Science SEM-EDS analysis with the XFlash FlatQUAD</i>



DAY 2: 25th MAY 2021 (TUESDAY)

PLATFORM:

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MAIN ROOM of MICROSOFT TEAMS (http://bit.ly/IConBET2021_MainRoom)

Time	Agenda
9.00 – 10.00 am	Keynote Address II: Prof. Dr. Yusuf Chisti , PhD, Dr hc, CEng, FICHEM (Massey University of New Zealand) <i>Microalgae for Sustainable Production: Emerging Trends and Innovations</i>

SESSION 10: AGRICULTURAL TECHNOLOGY

ROOM 1 of MICROSOFT TEAMS (http://bit.ly/IConBET2021_Room1)

Time	Presentation
10.00 – 10.30 am	Invited Speaker: Prof. Dr. Ir. Ellin Harlia (Universitas Padjajaran, Indonesia) <i>Towards An Environmentally Friendly Smallholder Farmers</i>
10.35 – 10.55 am	AT04: Miss Nurul Athirah Binti Mohd Zuki@Rosli <i>Salts, protease and their synergistic effect in protein hydrolysis of black soldier fly larvae (Hermetia illucens)</i>
11.00 – 11.20 am	AT08: Dr. Mst Laila Naher <i>Biodegradable packaging tools by using mushroom mycelium</i>
11.25 – 11.45am	AT17: Dr. Siti Efliza Ashari <i>Nanohybrid of kojic acid ester for dermatology application: From lab to market</i>
11.50 – 12.10 pm	AT18: Miss Fazila Zakaria <i>Statistical optimization of Mitragnya speciosa leaves via central composite design and phytochemical characterisation</i>
12.15 – 12.35 pm	AT20: Miss Mira <i>Effects of varying metabolize energy on serum progesterone concentration of lactating dorper ewes</i>
12.40 – 1.00 pm	AT22: Mr. Muhammad Amiruddin Wahab <i>Effect of different inclusion levels of black soldier fly larvae meal (BSFL) on the formulated prawn pellet</i>


SESSION 11: ENVIRONMENTAL TECHNOLOGY
ROOM 2 of MICROSOFT TEAMS (http://bit.ly/IConBET2021_Room2)

Time	Presentation
10.05 – 10.25 am	ET36: Mrs. Zakiyah Binti Ainul Kamal <i>Assessment of groundwater quality in the coastal aquifer of Bachok using hydrochemistry</i>
10.30 – 10.50 am	ET39: Miss Nurain binti Saipolbahri <i>Determination of microplastic pollutants in tap water</i>
10.55 – 11.15 am	ET42: Dr. Salman Ahmed <i>Land use/land cover change analysis using geospatial technology in Mathura District, Uttar Pradesh, India</i>
11.20 – 11.40 am	ET44: Miss Ratchapraba Raksasat <i>Fortification of black soldier fly larval feeding substrate for producing biodiesel</i>
11.45 – 12.05 pm	ET50: Dr. Zameer Ahmad Shah <i>Evaluation of groundwater chemistry in Northern Indo-Gangetic Alluvial Region</i>
12.10 – 12.30 pm	ET51: Dr. Syed Shams Ahmad Rizvi <i>Geochemical evaluation of fluoride and nitrate contamination in groundwater using Graphical method, Karnataka State, India</i>
12.35 – 12.55 pm	ET52: Mrs. Siti Hajar Ya'acob <i>PM10 and particulate PAHs composition in ambient air of the vicinity industrial and rural area</i>
1.00 – 1.20 pm	ET53: Miss Siti Sarah Harith <i>Patial distribution of poverty in Kelantan</i>


SESSION 12: MATERIALS SCIENCE TECHNOLOGY
ROOM 3 of MICROSOFT TEAMS (http://bit.ly/IConBET2021_Room3)

Time	Presentation
10.05 – 10.25 am	MST49: Mr. Zahiruddeen Salam Bin Zahari <i>Investigation of mechanical properties and in vitro corrosion of bulk nanostructured metal produced by equal channel angular pressing</i>
10.30 – 10.50 am	MST53: Miss Ain Arifin <i>Rheological behaviour of VCO based lamellar liquid crystal of Tween 60:Brij30/H₂O/VCO incorporated with crisaborole</i>
10.55 – 11.15 am	MST54: Dr. Farida Rahayu <i>Studies on dew retting process of kenaf by formulation of indigenous consortium bacteria</i>
11.20 – 11.40 am	MST57: Dr. Muhammad Ashraf Shahidan <i>Effect of monomer feed ratio and surfactant on the properties of polymethyl methacrylate-co-methacrylic acid microparticles</i>
11.45 – 12.05 pm	MST64: Miss Bernadeta Ayu Widyaningrum <i>Carbon paste modified with poly-melamine and gold nanoparticles for selective determination of hydroquinone in presence of arbutin</i>
12.10 – 12.30 pm	MST67: Assoc. Prof. Dr. Ahmad Nazri Dagang <i>Plasma-enhanced metamaterials for antenna application</i>

SESSION 13: MATERIALS SCIENCE TECHNOLOGY
ROOM 3 of MICROSOFT TEAMS (http://bit.ly/IConBET2021_Room3)

Time	Presentation
2.30 – 2.50 pm	MST70: Dr. Norhuda Hidayah Nordin <i>High entropy alloys as catalyst for environmental protection</i>
2.55 – 3.15 pm	MST75: Mrs. Shamsi Ebrahimi <i>Effect of calcium to phosphate ratio on the thermal stability of Hydroxyapatite powder</i>

SESSION 14: AGRICULTURAL TECHNOLOGY

ROOM 4 of MICROSOFT TEAMS (http://bit.ly/IConBET2021_Room4)

Time	Presentation
10.30 – 10.50 am	AT21: Dr. Hasnita Che Harun <i>Extending shelf life of improved egg custard formulation using Moringa Oleifera and Curcuma Longa</i>
10.55 – 11. 15 am	AT23: Mr. Ismadi <i>Investigation of optimum particles size and citric acid content in the manufacturing of coconut husk particleboard</i>
11.20 – 11.40 am	AT24: Miss Nurul Fadzlin Binti Ab Llah <i>The influence of different solvents on total yield extracts and antimicrobial study of natural preservatives crude extracts</i>

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Time	Agenda
4.00 – 5.00 pm	Closing Ceremony by Prof. Ts. Dr. Arham Bin Abdullah, Deputy Vice Chancellor (Research and Innovation) of Universiti Malaysia Kelantan (UMK)
	Awards Announcement