

IConBET 2025 Programme Schedule (29th-30th July 2025)

TIME (UTC +8)	PROGRAMME (29 th July 2025, Tuesday)
Room Link Link	fbkt.my/iconbet2025-mainroom
9:00 – 9:30 AM	Recitation of Doa Speech Assoc. Prof. Dr. An'amt Mohamed Noor, IConBET2025 Chairman Welcoming address Assoc. Prof. Dr. Sarizam Mamat, Dean, Faculty of Bioengineering and Technology, UMK Speech and Officiating YBrs. Prof. Ir. Ts. Dr. Arham Abdullah, Vice Chancellor Universiti Malaysia Kelantan
Moderator	Assoc. Prof. Dr. Noor Fazliani Binti Shoparwe
9:30 – 10:30 AM	Keynote 1 (YBhg. Dato' Ts. Ir. Dr. Badhrulhisham Abdul Aziz) Future Prospects and Challenges in Building a Sustainable Critical Mineral Sector: A Case Study on Rare Earths in Malaysia
Moderator	Assoc. Prof. Dr. Andi Hermawan
10:30 – 11:30 AM	Keynote 2 (Assoc. Prof. Dr. Kuniyoshi Shimizu) How should we utilize natural resources for sustainable development based on scientific evidence? -Use for pharmaceuticals, functional foods, aromas, cosmetics, living environment-

Sessions	Session 1	Session 2	Session 3
Topics	Materials Science & Mineral Technology	Bioindustrial Technology, Wood & Forest Technology	Energy Technology
Room Links	fbkt.my/iconbet2025-mainroom	fbkt.my/iconbet2025-room1	fbkt.my/iconbet2025-room2
Moderators	Ts. Dr. Teo Pao Ter	Assoc. Prof. Dr. Wee Seng Kew	Dr. Ainihayati Binti Abdul Rahim
11:30-12:15 PM	Plenary Speaker 1 Assoc. Prof. Dr. Mahani Yusoff Synthesis of Alumina-Titania Hybrid Nanocomposites Using High Energy Ball Milling	Plenary Speaker 2 Assoc. Prof. Dr. Noor Azlina Ibrahim Structural Insights and Alkaline Adaptation Mechanisms of a Thermostable Serine Protease from <i>Bacillus subtilis</i> 50a	Plenary Speaker 3 Prof. Emeritus Dato' Dr. Hj. Ibrahim Che Omar The Past and Future Perspectives of Industrial Enzyme Technology: A Review
12:15-12:45 PM	Invited Speaker 1 Dr Yang Jinhua eWarp – The Dawn of a New Era in EBSD Technology	Invited Speaker 2 Prof Dr. Ong Keat Khim A simple paper-based colorimetric assay for detection of malathion	Invited Speaker 3 Dr Alan Wong Bruker's Extended Range of X-ray Analytical Solutions
12:45-1:00 PM	UMK22 Dr. Nik Alnur Auli Bt Nik Yusuf Investigations Of Film Making from Pineapple Leaves for Application Biodegradable Straw and Eggshell Fillers in Physical and Mechanical Properties	UMK41 Ms. Jivashree A/P Ganasan Stability and Physicochemical Properties Evaluation of Watermelon Rind-based Sunscreen	PTSB01 Dr. Fadzilah Binti Hashim InnoSAT Attitude Control Performance Comparison using PID-Lead, MPC-Lead, and MPC-PDLead Controllers with the Effect of Varying gain
1:00-1:15 PM	UMK52 Mrs. Affidah Mardziah Binti Mukhtar Environmental Conditions Influencing Bacterial Viability and Growth within Concrete Matrices: A Review	UMK44 Dr. Zhangxiuwan Real-Time Automated Tomato Ripeness Grading for Precision Farming Using Optimized YOLOv11 with Adaptive Feature Extraction	UMK18 Dr. Ahmad Zul Izzi Fauzi Computational Fluid Dynamic-Based Investigation of Temperature Distribution in Office Air Conditioning Systems
1:15 – 2:30 PM	Lunch Break		

Sessions	Session 4	Session 5	Session 6
Topics	Materials Science & Mineral Technology	Bioindustrial Technology, Wood & Forest Technology	Energy Technology/Biondustrial Technology
Room Links	fbkt.my/iconbet2025-mainroom	fbkt.my/iconbet2025-room1	fbkt.my/iconbet2025-room2
Chairpersons	Dr. Mohamad Bashree Bin Abu Bakar	Dr. Nur Nabilah Binti Shahidan	Dr. Hidayani Binti Jaafar
2:30-2:45 PM	UMS04 Dr. Fiona Ling Wang Ming Copper (II) Ions Removal via Biosynthesized Iron Oxide Nanoparticles Mediated by Cymbopogon sp. Leaves	SPMVV01 Mrs. K.P.Leela Sai Circular Bioeconomy Approach to Bioplastics: Integrating Microalgal PHB with Corn-Based Polymers	UTP01 Ms. Nureen Amalia Binti Zulkifli Enhancing Lipid Contents in Black Soldier Fly Larvae for Biodiesel Production: A Comparative Study between Fermented Sludge Tailing and Coconut Endosperm Wastes with Effective Microorganism 1 (EM-1)
2:45 – 3:00 PM	UNIMAP02 Ms. Nurfarahilya Bt Mohd Fazil Influence of Chemical Treatments on Corn Stalk Fiber as Filler in Epoxy Composites	UMS01 Dr. Fera Cleophas Potential of Mango (Mangifera indica) and Papaya (Carica papaya) Seeds as Sustainable Natural Coagulants for Water Treatment	UMS05 Dr. Ng Chi Huey Bimetallic Co and Zn-doped GO/MOF for a high capacitive supercapacitor
3:00 – 3:15 PM	UMK43 Dr. Mohd Syakir Bin Sulaiman Characterization of Gold Grains from Panned Sediments in Gua Setir via Polished Thin Section Analysis	UMS03 Dr. Nur Zaida Zahari Assessing the Potential of Tenebrio molitor for Biodepolymerization of Plastic Waste	UMK36 Dr. Muhammad Iqbal Ahmad Numerical Simulation of the Effects of Encapsulant Dispensing on Void Formation and Distribution in LED Encapsulation Processes
3:15 – 3:30 PM	UMK23 Mr. Muhamad Afif Zaafarani Bin Muhamad Aidi Preliminary Study of Tannic Acid Extracted from Kenaf Bast Fiber as Green Corrosion Inhibitor for Aluminium Substrate in Automobile Radiator	UPM01 Dr. Nor Azlina binti Alias Evaluating Biofiltration Systems for Enhancing Water Quality in Lake Restoration	UTEM02 Mr. Mohamad Taufiq Bin Mohamad Alias The Potential of Functionalized Graphene Anode for Lithium Iron Phosphate Battery

3:30 – 3:45 PM	UMK35 Mr. Muhamad Syarifuddin Gold-Cyanide Adsorption onto Activated Carbon: A Kinetic Investigation	UITM04 Ms. Athirah Izzati Binti Razak Effect of Phenolic Resin Impregnation on Surface Quality Properties and Termite Resistance of Kelempayan Wood	USM01 Dr. Nurhafizah Md Disa Complementary Analysis of Thermal Decomposition Kinetics, Slow Pyrolysis, and Characteristics of Activated Carbon from Coconut Fronds
3:45 – 4:00 PM	UMK34 Mrs. Fathin Asila binti Mohd Pabli Effect of Microwave-Assisted Calcination to the Structural and Dielectric Properties of Calcium Copper Titanate (CCTO)	UMK05 Mrs. Afnan Azzahra Preliminary Study on Treating Synthetic Pollutant (Ammonium-Nitrogen) In REE Wastewater Using Electrocoagulation Method: A General Full Factorial Statistical Design Approach	UMK55 Dr. Lum Wei Chen Development of Eco-Friendly Bamboo Particleboard Using Citric Acid–Tapioca Starch Adhesive: Influence of Pressing Temperature and Time
4:00-4:15 PM	UMK09 Dr. Norfadhilah Ibrahim Comparing Crystallization Techniques for Glass Ceramics Using Recycled Glass Waste	UMK01 Dr. Zubaidah Aimi Abdul Hamid Extraction, Characterization, and Antimicrobial Activity of Chitosan Derived from Corbicula fluminea (Etok) Shells	UMK46 Dr. Wan Suriyani Faliq Adeeba Wan Ibrahim Activation of Natural Killer Cell Cytotoxicity by Methanolic Leaf Extract of Abrus precatorius in Breast Cancer Cells
4:15-4:30 PM	UTEM03 Dr. Abdulgaphur Athani Computational Study of Pulsatile Blood Flow in a Multi-Phase, Multi-Stenosed Left Coronary Artery	UMK03 Dr. Azfi Zaidi bin Mohammad Sofi @ Aziz Performance Optimization of Soap Formulations via Taguchi Approach: Focus on Foaming, Antimicrobial, and Economic Parameters	UMK49 Assoc. Prof. Dr. Wan Mohd Faizal Wan Ishak Sustainable Ceramic Water Filters from Rice Husk Waste: Optimization of Composition and Performance Evaluation for Point-of-Use Water Treatment

TIME (UTC +8)	PROGRAMME (30 th July 2025, Wednesday)	
Room Link	fbkt.my/iconbet2025-mainroom	
Moderator	Assoc. Prof. Ts. ChM. Dr. Nor Hakimin Bin Abdullah	
9:00 – 10:00 AM	Keynote 3 (Prof. Dr. Erman Taer) Transforming Biomass into Porous Carbon for High-Performance Supercapacitor Applications	
Session	Session 7	Session 8
Topics	Materials Science & Mineral Technology	Bioindustrial Technology, Wood & Forest Technology
Room Links	fbkt.my/iconbet2025-room1	fbkt.my/iconbet2025-room2
Moderators	Dr. Norfadhilah Binti Ibrahim	Dr. Lum Wei Chen
10:00-10:45 AM	Plenary Speaker 4 Assoc. Prof. Dr. Muhammad Azwadi Sulaiman Improvement of Microwave Absorption of SiC/Kaolinite Composite Susceptor	Plenary Speaker 5 Assoc. Prof. Ts. Dr. Mohd Hazim Mohamad Amini Recent Advancements in Wood Treatment Technology
Chairpersons	Assoc. Prof. Dr. Wan Mohd Faizal Bin Wan Ishak	Assoc. Prof. Ts. Dr. Sitti Fatimah Binti Mhd. Ramle
10:45-11:15 AM	Invited Speaker 4 Dr. -Ing. Mohd Zamri Che Wanik Peer to Peer Trading of Energy from distributed energy resources	Invited Speaker 5 Dr. Ainihayati Binti Abdul Rahim The growth of paddy plant in soil media inoculated with two Methylobacterium isolates and their effect on early plant development
11:15-11:30 AM	UMK13 Miss Nor Zafirah Binti Nor' Azmi Effect of Aliquat-336 on Characteristics and Performances of Polymer Inclusion Membrane for Gold Extraction	UMK15 Assoc. Prof. Dr. Wong Yee Ching Optimizing Biogas Production from Municipal Solid Waste: A Comprehensive Analysis of Microbial Communities and Substrate Characteristics in Anaerobic Digestion Systems

11:30-11:45 AM	UMK19 Assoc. Prof. Dr. Sarizam Mamat Study on intermetallic compound formation in Al/Steel dissimilar joining using TIG MIG hybrid welding	UMK17 Mrs. Norfatimah Binti Mohd Adenam Optimising Anaerobic Digestion Efficiency in Biogas Production from Municipal Solid Waste (MSW)
11:45-12:00 PM	UNIMAP01 Dr. Nor Azwin binti Ahad Acid and Alkali Treatment on Natural Fibers for Better Tensile Strength of Epoxy Composites	UMK54 Dr. Nur Sakinah Binti Mohamed Tamat Characterization and Bulk Density of Wood Particles Used in the Particleboard Production as a Function of Their Particle Size
12:00-12:15 PM	UNIMAP03 Ms. Nur Hasnidah Binti Ahmad Shukeri Influence of Silica Addition on the Structural, Phase Transformation and Microstructure Evolution of Sintered Perlis Dolomite	UMK61 Ms. Farah Khaliz Kedri River channel change analysis using remote sensing images for Sungai Galas, Kelantan
12:15-12:30 PM	UMPSA01 Dr. Nadiah binti Mokhtar Biosorption of Cu (II) ion from aqueous solution by <i>Euchema Cottonii</i> Sp: a breakthrough Curve study	UMK45 Miss Nur Ain Atiqah Jamaluddin Electricity Production from Paddy Field Mud in Double Chamber Microbial Fuel Cells and Isolation of Electroactive Bacteria Involved
12:30-12:45 PM	SPMVV03 Prof. Dr. R JayaMadhuri Exploration of Marine Algae for Sustainable Biodiesel Production	SPMVV02 Ms. Mrunalika Kadiyam Sustainable recovery of Chitosan from Prawn waste: Process, Optimization and Structural analysis and its Antibacterial activity against multidrug resistant bacteria
12:45-1:30 PM	Score Calculation	
1:30-2:00 PM	Closing Ceremony	
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