

Day 1, Tuesday, 25 October 2022

Parallel session 1 : SE track

Venue : Gallery 3, Level 1 (MJJIC Room)

TIME	PAPER ID	TITLE	PRESENTER
15:30	Invited Speaker 1	Sustainable Water Cycle and Society	Prof Dr. Maki Tsujimura
15:45	SE 33	A feasibility study on the green synthesis of iron oxide nanoparticles using chlorella vulgaris extract for photocatalytic degradation of crystal violet	Dr. Kiew Peck Loo
16:00	SE 13	Evaluation of flavonoid compound in coconut waste and its antioxidant activity	Mardhiah Wahab
16:15	SE 12	Extraction and determination of flavonoid compounds in citrus fruit waste	Izzah Nadzirah binti Rushdan Zaim
16:30	SE 30	Analysis of Suspended Atmospheric Microplastics Size at Different Elevation in Universiti Teknologi Malaysia, Kuala Lumpur	Dr. Nor Ruwaida Jamian
16:45	SE 15	Multi-Objective Optimization using Genetic Algorithm for 3D Container Loading Problem	Maryam Safiyah binti Shamsudin
17:00	SE 28	Preliminary study on the occurrence of microplastics in a sewage treatment plant	Dr. Liew Wai Loan
17:15	SE 32	Optimization and utilization of waste fly ash and silica fume in geopolymer mortar for environmental sustainability using response surface methodology	Dr. Abdullah Naveed Sadiq

Day 2, Wednesday, 26 October 2022

Parallel session 2 : DMR track

Venue : Gallery 3, Level 1 (MJJIC Room)

TIME	PAPER ID	TITLE	PRESENTER
9:45	DMR 37	Flood Preparedness Module for Malaysian Higher Education Students via Metaverse Environment	Dr. Nor Fadzleen binti Sa don
10:00	DMR 40	Evaluation of the vulnerability and resilience towards flash floods in Kuala Lumpur, Malaysia	Dr. Mohd Yusoff Ishak
10:15	DMR 21	Empowering Women for Disaster Risk Reduction: A Case Study of Geologically Based Disaster at Yan, Kedah, Malaysia	Siow Yuet Mei
10:30	DMR 22	A Review on Disaster Resilience Scorecard in Measuring Community Resilience towards Geological Disaster	Nurul Huda binti Zakaria
10:45	DMR 31	Urban Waterlogging Mitigation Based on the Concept of Sponge City	Xi Chenrui
11:00	DMR 38	Urban Transport Interventions: Way Forward To Resilient City, Context Of Lahore, Pakistan	Siddiqa Amin

Parallel session 3 : DMR track

Venue : Gallery 3, Level 1 (MJJIC Room)

TIME	PAPER ID	TITLE	PRESENTER
11:30	DMR 35	Assessment of Peat Fire Susceptibility for Carbon Emission Reduction	Muhammad Amirul Hafidz
11:45	DMR 10	One-dimensional Dam Breach Hydraulic Simulation of Palasari Dam	Pradipta Nandi Wardhana
12:00	DMR 25	Analysis on Seismic Control Strategies for Structural Control Devices: A Comparative Study	Dr. Normaisharah binti Mamat @ Mohd Nor
12:15	DMR 41	A Comparison Between Fis and Anfis on Chaotic Time Series Forecasting for Forestry Management	Anis Farhani Binti Abdul Ghafar
12:30	SE 26	A Comprehensive Review on Stereo Vision: Depth Calculation Method and Applications	Assoc. Prof. Dr. Mohd Fauzi Othman

**12.45-
14.00**

BREAK

Parallel session 4 : SE track

Venue : Gallery 3, Level 1 (MJIC Room)

TIME	PAPER ID	TITLE	PRESENTER
14:00	SE 27	Morphological Evaluation of Hydroxyapatite Composite Coating on Biomedical Stainless Steel Surface	Farra Adeera
14:15	SE 20	Nanostructuring of Additively Manufactured 316L Stainless Steel via High-Pressure Torsion for Enhanced Strength and Corrosion Performance	Dr. Shahir Mohd Yusuf
14:30	SE 29	Production of Polyhydroxyalkanoate from Nipa Sap using <i>Cupriavidus necator</i> DSM545	Nurhamieza Md Huzir
14:45	SE 16	Tissue Engineering Vascular Graft Scaffolds: A Review	Dr. Zatil Izzah Binti Ahmad Tarmizi
15:00	SE 36	Omega-3 fatty acids and astaxanthin produced by <i>Chlorella vulgaris</i> and <i>Haematococcus pluvialis</i> cultivated in chicken manure medium	Fatin Fazira Bt Abd Karim
15:15	SE 34	Isolation and characterization of biological soil crust forming algae from Malaysia	Noorshartika Binti Jusoh
15:30	SE 35	Production of biocoal from microalgae species.	Ang Xin Yee