

PARALLEL SESSION A**TRACK:****Bioinstrumentation & Biomedical Devices (BBD)****Biomechanics & Rehabilitation (BR)****PARALLEL SESSION A [19 December 2024, 16:00-17:30]****Session Chair:** Assoc. Prof. Dr. Shuhaida Yahud**Session Co-Chair:** Dr. Noor Alia Md Zain**Venue:** Auditorium

Time	Paper ID	Paper Title
16:00	9	Single Channel Magnetic Induction Tomography (MIT) For Biomedical Application
16:15	6	Evaluation of Kinetic and Kinematics Parameters on Shooting Accuracy of Woodball Players
16:30	18	A fundamental study on size mismatched interposition microvascular for vascular reconstruction
16:45	20	Effect of Thoracic Spine Deformities on the Corrective Forces of Implant Rod-Screw under Scoliosis Surgery: A Finite Element Analysis
17:00	14	Exploring AI-Based Knowledge Management Platforms in Biomechanics: A Comprehensive Review
17:15	12 (Video)	Risk Assessment of Medical Gas System and Its Maintenance: A Scoping Review
17:30	7 (Video)	Integration of Internet of Things for Haemodialysis water quality monitoring systems

PARALLEL SESSION B**TRACK:****Biomedicine & Biotechnology (BB)****Biomaterials & Tissue Engineering (BTE)****PARALLEL SESSION B [19 December 2024, 16:00-17:45]****Session Chair:** Assoc. Prof. Ir. Dr. Lim Chee Chin**Session Co-Chair:** Dr. Lee Hoi Leong**Venue:** Ocean Cube

Time	Paper ID	Paper Title
16:00	10	Comparison study of ultrasonic-assisted extraction (UAE) and maceration method for polyphenols from Euphorbia tirucalli L.
16:15	26	Encapsulation of Chromolaena odorata and liposome for a drug delivery
16:30	11	Encapsulated Malaysian Honey with Maltodextrin using Freeze Drying for XRD Analysis
16:45	5	Supercritical Fluid Extraction of Lemongrass Essential Oil for Perfume Formulation
17:00	3	Bioplastic from Agricultural Waste with Potential Application in Medical and Pharmaceutical
17:15	19	Electrophoretic Deposition of Mesoporous Carbonated Hydroxyapatite on Ti-6Al-4V Alloy for Bone Implant
17:30	8	Detection Of Acute Intracranial Haemorrhage in CT scans Using Deep Learning Algorithms
17:45	27	Phytochemical study of Chinese Herbal Tea by a Soxhlet Extraction

PARALLEL SESSION C**TRACK:****Artificial Intelligence (AI)****Biomedical Signal & Image Processing (BSI)****PARALLEL SESSION C [19 December 2024, 16:00-17:45]****Session Chair:** Assoc. Prof. Ts. Dr. Haniza Yazid**Session Co-Chair:** Mr. Mohammad Shahril Salim**Venue:** Meeting Room

Time	Paper ID	Paper Title
16:00	17	Enhancing Vehicle License Plate Recognition in Low-Light Conditions Using YOLOv5 and Advanced Pre-Processing Techniques
16:15	15	A Systematic Review and Analysis of Chatbot Application in Biomechanics Research
16:30	21	A Convolutional Neural Network-Based Approach for Emotion Recognition Using Facial Expressions
16:45	16	AI-Based Classification Framework for EEG Pattern Analysis Across Brain Lobes in Resting and Cognitive States
17:00	22	Comparison of Stain Normalization Methods for Leukemia Blood Slide Image
17:15	24	EEG-Based Analysis of Mindfulness Meditation: Neural Modulation of Smoking Urges Using Empirical Mode Decomposition and Machine Learning
17:30	23 (Video)	Segmentation Approaches for Cancer Detection in Histopathological Images – A Review
17:45	25 (Video)	Classification Of Noise-Free and Noise-Degraded Brain Tumour MRI Using Convolutional Neural Network