



**4th International Conference on Medical Science Technology
(ICMST 2024)
19th & 20th November 2024 | Concorde Hotel Kuala Lumpur,
Malaysia**

*“Symbiosis in Science: Advancing Healthcare through Multidisciplinary
Collaboration”*

ORAL PRESENTATIONS

Invited Speakers: 15 minutes (slide presentation) + 5 minutes (question and answer)

Oral Presentations: 12 minutes (slide presentation) + 3 minutes (question and answer)

Please follow the guidelines below when preparing your oral presentation.

1. Provide appropriate context to ensure an international audience can follow your presentation content.
2. You must allow time for questions within your assigned time slot so please take note of presentation duration.
3. You should provide 1-2 key take home messages on the final slide.
4. The language of the conference is English.

Preparation of oral presentation

1. We strongly recommend that slides are prepared in PowerPoint. Other software packages are acceptable as long as the presentation complies with the widescreen (16:9) format.
2. Presenters may not use their own laptops for presenting.
3. To ensure the smoothness of the presentation session, all participants are encouraged to send a soft copy of their presentation slides to enable the ICMST 2024 committee to display them on behalf of the presenter.
4. Oral presenters are required to submit their presentations slides (either in ppt or pdf format) to the secretariat during registration.

19th November 2024 (DAY 1)

Session 1 : Gallery 1

BIOMEDICAL SCIENCE

Time (GMT +8)	Presentation Title	Presenter
1045 - 1105	INVITED SPEAKER <i>In vitro</i> Cytopathogenic Activities of Acanthamoeba T4 Genotype Isolated from Contact Lens Paraphernalia on hela Cell Monolayer	Assoc. Prof. Dr. Tengku Shahrul Anuar
1105 - 1125	INVITED SPEAKER Innovative 3D Cell Culture Models for Engineering Artificial Tissue towards Drug Discovery and Cell Therapy Biomanufacturing	Dr. Muhammad Fauzi Daud
1125 – 1140	OP-067 Comparative Analysis of the Gut Microbiome in Control and Primary Dysmenorrhea Rat Models via 16s rRNA Gene Next-generation Sequencing	Farisha Alia Norfu'ad
1140 – 1155	OP-823 The First Report of <i>Helenicula mutabilis</i> (Acari: Trombiculidae) Harbours <i>Orientia tsutsugamushi</i> from Locality of a Fatal Case of Scrub Typhus in Selangor, Malaysia	Suhaili Zainal Abidin
1155 – 1210	OP-806 MicroRNA Regulation of Choline Kinase Alpha Gene Expression and its Effect in MCF7 Breast Cancer Cell	Shaleniprieya Muniandy
1210 – 1225	OP-101 Investigation of Excretory-Secretory (ES) Antigen from <i>Fasciola</i> spp. and <i>Paramphistomum</i> spp. on Human Colorectal Cell Proliferation	Dr. Mehru Nisha
1225 – 1240	OP-528 Roles Of Gut Microbiota In Pathogenesis Of Systemic Lupus Erythematosus (SLE): A Systematic Review	Assoc. Prof. Dr. Tong Woei Yenn
1240 - 1255	OP-561 Metabolite Profile and Hepatoprotective Efficacy of <i>Diospyros mespiliformis</i> stem-bark	Prof. Dr. Hajjagana Hamza

Session 1 : Gallery 2

OCCUPATIONAL SAFETY AND HEALTH, AI IN HEALTHCARE

Time (GMT +8)	Presentation Title	Presenter
1045 - 1105	INVITED SPEAKER Psychosocial Factors and Well-being, Challenges among Workers in Malaysia	Ts. Dr. Nur Azma Amin
1105 - 1125	INVITED SPEAKER Chronophysiology and Health Outcomes in Healthcare Shift Workers	Assoc. Prof. Dr. Norsham Juliana Nordin
1125 – 1140	OP-921 Evaluation of Radiation Safety Awareness of Students Regarding Dosimeter Use in Health Services Vocational School Practices	Halil Soyal
1140 – 1155	OP-866 Vibration Assessment Among Fogging Machine Operator: A Case Study of Kajang, Hulu Langat, Selangor	Ts. Ilyas Syafiq Darul Ridzuan
1155 – 1210	OP-040 Evaluation of the Perception of Occupational Safety Culture of Students Taking and Not Taking Associate Degree Occupational Health and Safety Courses	Halil Soyal
1210 – 1225	OP-041 Modelling System of Smartwatch Photoplethysmography Technology to Enhance the Monitoring System Health: A Conceptual Article	Nur Aiin Shahrizan
1225 – 1240	OP-695 Optimizing Clinical Workflows Through a Vital Signs Documentation Extension	Stefanny Julia Justine
1240 - 1255	OP-346 Comparative Analysis of Artificial Intelligence (AI) and Human Expertise in Heart Rhythm Diagnosis: A Systematic Review and Meta-Analysis	Nurhan Norris Ma Weng Chuen

Session 1 : Gallery 3

PUBLIC HEALTH

Time (GMT +8)	Presentation Title	Presenter
1045 - 1105	INVITED SPEAKER Associations Between Neuropsychological Scores and Hippocampal Volume in Alzheimer's Disease: A Comparative Study with Healthy Controls	Nur Shaidatul Nabila Ibrahim
1105 – 1120	OP-539 Navigating Lymphoma: Insights into Malaysian Patients' Perceptions, Experiences and Quality of Life	Assoc. Prof. Dr. Zaszwa Mohamad Noor
1120 - 1135	OP-220 Awareness and Practices of Diabetic Foot Care: A Cross-Sectional Study in a Rural Community	Dr. Siti Fatimah Md Shariff
1135 – 1150	OP-044 A Study on the Use of Functional Outcome Measures in Stroke Rehabilitation among Physiotherapist around Klang Valley	R. Rubini Ravandaran
1150 – 1205	OP-919 Carbapenemase producing Pseudomonas aeruginosa isolated from patients exhibited pan-drug resistance	Dr. Abdurrahman Hassan Jibril
1205 – 1220	OP-943 Effect of Nutrition and Physical Activity Applications (Apps) on Healthy Lifestyle and User Assessment in Kajang, Selangor	Ts. Mohd. Nazri Abdul Rahman
1220 – 1235	OP868 Diet Diversity and Associated Risk Factors among Night Shift Working Students	Sherwin P. Sollano

Session 2 : Gallery 1

BIOMEDICAL SCIENCE

Time (GMT +8)	Presentation Title	Presenter
1415 – 1435	INVITED SPEAKER Cytotoxic Potential of Garcinia Essential Oils from Malaysia	Dr. Tan Wen Nee
1435 – 1455	INVITED SPEAKER Phytochemical Analysis of <i>Retama raetam</i> (forssk) Leaves	Prof Esam Elhefian
1455 – 1515	INVITED SPEAKER Isolation and Characterization of Antimicrobial Peptides from Skin Bacteria of the Microbiome of <i>Achatina fulica</i> or Giant African Snail	Dr. Leong Chean Ring
1515 – 1530	OP-369 Sera 1H NMR-Based Metabolomics Revealed Immunomodulatory Effect of the Microalgae <i>Chlorella vulgaris</i> On Nile Tilapia (<i>Oreochromis niloticus</i>)	Dr. Hamza Ahmed Pantami
1530 – 1545	OP-222 'The Antibacterial Effect of Ciprofloxacin-loaded Gold Nanoparticles against <i>Pseudomonas aeruginosa</i>	Wei Qing Hong
1545 – 1600	OP-074 Generation of Human Schwann Cells through Non-integrative Lentiviral (NILV) Reprogramming of Human Fibroblasts for Peripheral Nerve Studies	Muhamad Razin Mohd Razali
1600 – 1615	OP-348 The Effects of the Mtor Signaling Pathway Inhibition On The Replication Of Respiratory Syncytial Virus (Rsv)	Muhammad Haziq Ikmal Bin Shamsudin
1615 – 1630	OP-120 Potentials and Limitations of Cold Adapted Hydrogen Producing Bacteria	Mohammed Abdullahi
1630 – 1645	OP-519 Hepatoprotective and Antioxidant Properties of Stem Bark Extract Of <i>Mimosa pigra</i> In Rats	Prof. Dr. Sanusi Hassan Wara

Session 2 : Gallery 2

PUBLIC HEALTH

Time (GMT +8)	Presentation Title	Presenter
1415 – 1435	INVITED SPEAKER Managing Well-being and Thriving: Understanding Challenges and Strategies among International Students	Dr. Dian Sari Utami
1435 - 1455	INVITED SPEAKER The Personifying Role Persona (PRoPer) Theory of HIV Counseling among Medical Technologists: A Constructivist Grounded Theory Study	Dr. Roel Nickelson Solano
1455 – 1510	OP-654 Wide field digital eye imaging system for universal neonatal eye screening (UNES)	Dr. Che Sarida Che Ismail
1510 – 1525	OP-489 The Effectiveness of the Oplan Ligtas Pamayanan of the Local Government Unit in Promoting Fire Incident Reduction among the Residents in Piapi, Boulevard, Davao City: Basis for Program Enhancement	Dennis Padernilla
1525 – 1540	OP-588 Empowering Employees to Quit: Effectiveness of WhaSTOP, a mHealth Intervention for Smoking Cessation in Malaysia	Dr. Syaharatul Patimah Kamarudin
1540 – 1555	OP-849 Expert Consensus and Validation of a Burnout Assessment Tool for Healthcare Workers: Application of the Fuzzy Delphi Method	Dr. Suriya Kumareswaran
1555 – 1610	OP-363 Predictors of Post-Traumatic Stress Symptoms among Malaysian Firefighters in Penang	Huwaida Abdul Azis
1610 – 1625	OP-414 Presence of Human Pathogenic Viruses in Water and Wastewater Demands Inclusion of Viral Pathogens as Part of Indicator Organisms	Dr. Mohammed Jibrin Ndejiko
1625 - 1640	OP-797 Phytochemical Screening and Antibacterial Activity of <i>Poliostigma thonningii</i> Extracts against Selected Bacteria	Dr. Mohammed Isah Legbo

Session 2 : Gallery 3

ENTREPRENEURSHIP AND INNOVATION IN HEALTHCARE

Time (GMT +8)	Presentation Title	Presenter
1415 – 1430	OP-155 A Review of Ambient Intelligent and Assistive System for Caregivers Support App	Yee Bit-Lian
1430 - 1445	OP-891 Evolving of <i>In-Vitro</i> Diagnostic Device: Malaysia's Perspective	Dr. Nurneqman Nashreq Kosni
1445 – 1500	OP-033 Innovating Life-Saving Skills: The Journey of Developing a Basic Life Support and First Aid Mobile Application	Nurhan Norris Ma
1500 – 1515	OP-424 Systematic Review: Innovation and Entrepreneurship in Education as a Solution to Youth Unemployment in Suburban Areas	Dr. Mohd Syaiful Nizam Abu Hassan
1515 – 1530	OP-330 Remote Health Monitoring for Bedridden Patients: Integrating IoT with Database Systems	Siti Afifah Mohshim
1530 – 1545	OP-005 The Design & Development of an Immobilization Splint for the Wrist and Distal forearm	Michael Awood

20th November 2024 (DAY 2)

Session 3 : Gallery 1

BIOMEDICAL SCIENCE/ CLINICAL LABORATORY DIAGNOSTIC

Time (GMT +8)	Presentation Title	Presenter
900 – 915	OP-382 The Anxiolytic Effects of Aromatic Blends of <i>Cananga odorata</i> and <i>Citrus hystrix</i> Essential Oils in Rat Models	Dr. Teh Rasyidah Ismail
915 – 930	OP-259 Antimicrobial and Antibiofilm Effects of Phomopsidione on Multidrug-Resistant <i>Pseudomonas aeruginosa</i>	Nur Husna Hafiza Lyana Ramzah
930 – 945	OP-214 Molecular Visualisation of 80S Ribosome in <i>Drosophila Melanogaster</i>	Assoc. Prof. Dr. Akilu Sada Abdullahi
945 – 1000	OP-234 <i>Mitracarpus hirtus</i> Exhibits Anti-Breast Cancer Effects through P53-Mediated Cell Cycle Arrest And Apoptosis In MCF-7 Cells	Ibrahim Malami
1000 – 1015	OP-708 Conceptual Modelling of <i>Ex-Vivo</i> for Caries Detection Based on Ultrasound and Light Propagation Analysis	Nur Rasyiqah Binti Mohd Fauzi
1015 – 1030	OP-242 Comparison between Norma Icon 3 and XN 1000 Sysmex Hematology Analyser: Comparing results of Measured Parameter between 3-Part and 5-Part Hematology Analyser	Vidhubala Balasegar

Session 3 : Gallery 2

PUBLIC HEALTH

Time (GMT +8)	Presentation Title	Presenter
900 - 920	INVITED SPEAKER Effect of Administration of <i>Adansonia digitata</i> Stem Bark Extract on Blood Glucose and Some Biochemical parameters in Alloxan-Induced Diabetic Rats	Prof. Dr. Maigari Fatima Umar
920 – 935	OP-359 Determinants of Stunting Incidents In The Islands Of Tojo Una-Una Regency, Indonesia	Rosmala Nur
935 – 950	Ameliorative Effect of <i>Emblica officinalis</i> on Acrylamide-induced Reproductive System Toxicity in both Male and Females	Malarvani Thangamany
950 – 1005	OP-870 <i>Cassia singueana</i> Root Extracts Ameliorates Induced Diarrhea and Enteropooling <i>In vivo</i>	Dr. Mas'ud Eneji Sadiq
1005 – 1020	OP-577 Effect of Cascara Concentration and Fermentation Time of Cascara Kombucha on Its α -Glucosidase Inhibitory Activity	Meysin Anjliany
1020 – 1035	OP-291 Antibacterial Potentials of Pharmacologically Active Nigerian Medicinal plants Extracts on <i>Escherichia coli</i> Clinical Isolates	Assoc. Prof. Dr. Muhammed Tukur Adamu
1035 – 1050	OP-332 Allergic Rhinitis and Atopic Dermatitis in Association with Home Environment Among Adolescents from Urban and Suburban Areas	Dr. Khairul Nizam Mohd Isa