



الجامعة الإسلامية العالمية ماليزيا
INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA
بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
Garden of Knowledge and Virtue

LEADING THE WAY
KHALIFAH - AMĀNAH - IQRA' - RAHMATAN LIL-ĀLAMĪN
LEADING THE WORLD



AN INTERNATIONAL AWARD-WINNING INSTITUTION FOR SUSTAINABILITY

IN CONJUNCTION WITH IIUM 40TH ANNIVERSARY

IIUM ENGINEERING CONGRESS 2023

15-16 AUGUST 2023
HYBRID MODE
KUALA LUMPUR, MALAYSIA



ICCE 2023



ICCHES 2023



ICMAAE 2023



ICEPEE 2023

Organized by: **KULLIYAH OF ENGINEERING**



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TECHNICAL SESSION ICCHES 2023

Day 1: Tuesday 15 August 2023			
8.30 – 9.00	Registration Venue – Lobby Audi A, Kulliyah of Engineering		
Opening 9.00 – 10.00	Opening Ceremony of the IIUM Engineering Congress 2023 Welcoming Remarks by The Dean, The Rector and The President Venue - Audi A, Kulliyah of Engineering		
10.00 – 10.15	Break & Networking		
Keynote 1 10.15 – 11.15	Title: Engineering Education and Ethics Towards Sustainable Society Presenter: Honorable Rector YBhg. Prof. Emeritus Tan Sri Dato' Dzulkifli Abdul Razak Chairperson: Assoc. Prof. Dr. Ali Sophian Venue: Audi A, Kulliyah of Engineering, Congress xZoom and YouTube.		
11.15 – 11.30	Break & Networking		
Keynote 2 11.45 – 12.45	Title: Decolonization technologies for the natural gas processes as the transition energy source Presenter: Prof. Nimir Elbashir Chairperson: Prof. Ir. Dr. Mohammed Saedi Jami, IIUM, Malaysia Venue: E2-2-1 (Room B) Zoom Meeting: https://iium.zoom.us/j/99213134246?pwd=OFIycS93bDBNTTY0SEsrNDcWdUZHQT09 Meeting ID: 992 1313 4246 Passcode: 857687		
12.45 – 14.00	Lunch Break		
14.00 – 15.15	Parallel Session 1 <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> Venue – E2-2-2 (Room A) Chairman – Assoc. Prof. Dr. Nor Fadhillah Co- chair: Dr. Mariatul Fadzillah Mansor </td> <td style="width: 50%; vertical-align: top;"> Venue – E2-2-1 (Room B) Chairman – Assoc. Prof. Ir. Dr. Sarina Sulaiman Co- chair: Dr. Husna Ahmad Tajuddin </td> </tr> </table>	Venue – E2-2-2 (Room A) Chairman – Assoc. Prof. Dr. Nor Fadhillah Co- chair: Dr. Mariatul Fadzillah Mansor	Venue – E2-2-1 (Room B) Chairman – Assoc. Prof. Ir. Dr. Sarina Sulaiman Co- chair: Dr. Husna Ahmad Tajuddin
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	1A: Advanced Materials, Composites & Nanotechnology Paper ID: 32, 34, 38, 15 (OL), 27 (OL)	1B: Water and Environmental Engineering Paper ID: 22, 37, 25, 24, 49
15.15 – 15.45	Break & Networking	
	Parallel Session 2	
15.45 – 17.00	Venue - E2-2-2 (Room A) Chairman – Prof. Dr. Ma'an Fahmi Al-Khatib Co- chair: Dr. Nik Rashida 2A: Biotechnological, Bioprocess & Biochemical Engineering Paper ID: 6, 53, 19, 42, 35	Venue - E2-2-1 (Room B) Chairman – Prof. Dr. Faridah Yusof Co- chair: Dr. Farah Ahmad 2B: Net zero carbon emission/ Natural Products, Commodity Crops & Biomass/ Related Chemical and Biochemical Engineering Paper ID: 8, 7, 47, 26 (OL), 16 (OL)
END OF DAY 1		

TECHNICAL SESSION ICCHES 2023

Day 2: Wednesday 16 August 2023			
	Parallel Session 3		
9.00 – 10.30	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding: 5px;"> Venue - E2-2-2 (Room A) Chairman – Prof. Dr. Ts. Maizirwan Mel Co- chair: Dr. Yusilawati 3A: Bioenergy, Green Technology and Renewable Energy/ Water and Environmental Engineering Paper ID: 40, 52, 21, 14 (OL), 4(OL) </td> <td style="width: 50%; padding: 5px;"> Venue - E2-2-1 (Room B) Chairman – Assoc. Prof. Dr. Fazia Adyani Co- chair: Dr. Nurul Sakinah 3B: Biosensor, Biomedical Technology/ Food, Pharmaceutical Engineering and Manufacturing/ Separation and Purification Paper ID: 33, 48, 9, 39(OL),20 (OL), 17 (OL) </td> </tr> </table>	Venue - E2-2-2 (Room A) Chairman – Prof. Dr. Ts. Maizirwan Mel Co- chair: Dr. Yusilawati 3A: Bioenergy, Green Technology and Renewable Energy/ Water and Environmental Engineering Paper ID: 40, 52, 21, 14 (OL), 4(OL)	Venue - E2-2-1 (Room B) Chairman – Assoc. Prof. Dr. Fazia Adyani Co- chair: Dr. Nurul Sakinah 3B: Biosensor, Biomedical Technology/ Food, Pharmaceutical Engineering and Manufacturing/ Separation and Purification Paper ID: 33, 48, 9, 39(OL),20 (OL), 17 (OL)
Venue - E2-2-2 (Room A) Chairman – Prof. Dr. Ts. Maizirwan Mel Co- chair: Dr. Yusilawati 3A: Bioenergy, Green Technology and Renewable Energy/ Water and Environmental Engineering Paper ID: 40, 52, 21, 14 (OL), 4(OL)	Venue - E2-2-1 (Room B) Chairman – Assoc. Prof. Dr. Fazia Adyani Co- chair: Dr. Nurul Sakinah 3B: Biosensor, Biomedical Technology/ Food, Pharmaceutical Engineering and Manufacturing/ Separation and Purification Paper ID: 33, 48, 9, 39(OL),20 (OL), 17 (OL)		
10.30 – 11.00	Break & Networking		
	Parallel Session 4		
11.10 – 12.30	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; border-right: 1px solid black; padding: 5px;"> Venue - E2-2-2 (Room A) Chairman – Assoc. Prof. Dr. Fathilah Ali Co- chair: Dr. Ricca Rahman 4A: Biotechnological, Bioprocess, Biochemical Engineering/ Advanced Materials, Composites, Nanotechnology Paper ID: 31, 23, 29, 43, 44, 46 (all OL) </td> <td style="width: 50%;"></td> </tr> </table>	Venue - E2-2-2 (Room A) Chairman – Assoc. Prof. Dr. Fathilah Ali Co- chair: Dr. Ricca Rahman 4A: Biotechnological, Bioprocess, Biochemical Engineering/ Advanced Materials, Composites, Nanotechnology Paper ID: 31, 23, 29, 43, 44, 46 (all OL)	
Venue - E2-2-2 (Room A) Chairman – Assoc. Prof. Dr. Fathilah Ali Co- chair: Dr. Ricca Rahman 4A: Biotechnological, Bioprocess, Biochemical Engineering/ Advanced Materials, Composites, Nanotechnology Paper ID: 31, 23, 29, 43, 44, 46 (all OL)			
12.30 – 14.00	Lunch Break		
14.00 – 14.30	Closing Session & Best Presentation Award		
END OF DAY 2			

Note: This is a hybrid conference. OL abbreviation in program schedule is for online presentations.

Join Zoom Meeting:

<https://ium.zoom.us/j/99213134246?pwd=OFIycS93bDBNTTY0SEsrNDcWdUZHQ09>

Meeting ID: 992 1313 4246

Passcode: 857687