



7th International Conference on Green Environmental Engineering and Technology (IConGEET2025)

SESSION 1: ENVIRONMENTAL MANAGEMENT AND PROTECTION

Thursday, 4th September 2025 (MYT 09:00 – 11:20)

Chairperson: Ir. Dr. Nur Anira Asyikin Hashim

Link: <https://meet.google.com/dou-noru-bwz>

No.	Paper ID	Time	Title	Author	Affiliation
1	IConGEET2025: 063-059	9:00	Mechanical Properties of Recycled Polypropylene and Rubber Waste Composites for Sustainable Material Application	Izdihar Tharazi	Universiti Teknologi MARA, Malaysia (UiTM), Malaysia
2	IConGEET2025: 068-066	9:20	Development of Polypropylene/UHMWPE Composite Filaments for Biomedical Fused Filament Fabrication (FFF) Applications	Muhammad Syafiq Mohd Khairuddin	Universiti Tun Hussein Onn Malaysia (UTHM), Malaysia
3	IConGEET2025: 080-080	9:40	Sustainable Alternatives to Mineral-based Cutting Fluids: Performance and Environmental Assessment of Vegetable Oils	Ahsana aqilah	Universiti Teknologi MARA, Malaysia (UiTM), Malaysia
4	IConGEET2025: 060-050	10:00	The Synergetic Effect of Fly Ash Concrete Mixed With Coconut Husk Ash For the Application of Sustainable Construction	Aina Ashyiqin Gapor	Universiti Tun Hussein Onn Malaysia (UTHM), Malaysia
5	IConGEET2025: 022-054	10:20	Recycling Acetylene Production Residue into Functional Pigment for Paper Coating Applications	Emee Marina Salleh	Department of Mineral and Geoscience of Malaysia, Malaysia
8	IConGEET2025: 014-007	10:40	The Role of Biochar in Soil Health and Sustainable Agriculture	Anurita Selvarajoo	University of Nottingham Malaysia, Malaysia
9	IConGEET2025: 069-067	11:00	Effect of Printing Pattern on the Mechanical Properties of 3D Printed PLA/PA-WA Composite	Nor Hafiez Mohamad Nor	Universiti Teknologi MARA (UiTM), Malaysia



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SESSION 2: ENVIRONMENTAL MANAGEMENT AND PROTECTION

Thursday, 4th September 2025 (MYT 14:30 – 16:30)

Chairperson: Assoc. Prof. Dr. Tengku Nuraiti Tengku Izhar

Link: <https://meet.google.com/mht-njrb-xzt>

No.	Paper ID	Time	Title	Author	Affiliation
1	IConGEET2025: 077-072	2:30	Waste Valorisation Into Zeolites and Their Potential Application in Water Treatment	Florina-Diana Gheorghe	National Institute for Research and Development in Environmental Protection, Romania
2	IConGEET2025: 054-043	2:50	Analysis of Students' Involvement in environmental conservation projects as a strategic element of personnel training for the green economy: the experience of Kazakhstan	Dana Kangalakova	Ministry of Science and Higher Education of the Republic of Kazakhstan
3	IConGEET2025: 077-073	3:10	Chitosan based materials for environmental application	Florina-Diana Gheorghe	National Institute for Research and Development in Environmental Protection, Romania
4	IConGEET2025: 082-085	3:50	Polysaccharide-Based Materials As Support for Ideonella Sakaiensis with Applications in Wastewater Remediation	Ioana Negru	National Institute for Research and Development in Environmental Protection, Romania
5	IConGEET2025: 016-009	4:10	Innovative Nanotechnology Applications Significant to Electrical Power System	Ali Sachit Kaïttan	University of Diyala, Iraq



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SESSION 3: ENVIRONMENTAL MANAGEMENT AND PROTECTION

Thursday, 4th September 2025 (MYT 09:00 – 11:40)

Chairperson: Assoc. Prof. Dr. Sara Yasina Yusuf

Link: <https://meet.google.com/oww-dxzq-rnf>

No.	Paper ID	Time	Title	Author	Affiliation
1	IConGEET2025: 064-061	9:00	Kerf Angle of Inconel 718 Under Non-Traditional Machining " Optimized Using Response Surface Methodology (RSM)	Nurul Hayati Abdul Halim	Universiti Teknologi MARA, Malaysia (UiTM), Malaysia
2	IConGEET2025: 008-003	9:20	Numerical modelling of in situ epoxidation of rice bran oil using homogeneous catalyst	Shafikah Abdullah	Universiti Teknologi MARA, Malaysia (UiTM), Malaysia
3	IConGEET2025: 057-046	9:40	Sustainable Data Placement Strategy for Energy-efficient Cloud Storage and Enhanced Performance	Fazlina Mohd Ali	Universiti Kebangsaan Malaysia (UKM), Malaysia
4	IConGEET2025: 012-014	10:00	Research on Museum Visitor Behavior: A Case Study of Liangzhu Musuem in Hangzhou	WenJing Xu	Universiti Sains Malaysia (USM), Malaysia
5	IConGEET2025: 023-017	10:20	Using waste of coconut fiber and sugarcane bagasse ash to enhance the tensile strength of soft clay	Anita Widiarti	Universitas Muhammadiyah Yogyakarta, Indonesia
6	IConGEET2025: 012-015	10:40	Cultural Heritage Tourism Development Based on Tourist ExperienceL A Case Study of The Museum if The Western Han Dynasty Mausoleum of The Nanyue King	Quan Wen	Universiti Sains Malaysia (USM), Malaysia
7	IConGEET2025: 008-004	11:00	A Comprehensive Review on the Epoxidation of Vegetable Oils	Norfazilah Abdullah	Universiti Teknologi MARA, Malaysia (UiTM), Malaysia
8	IConGEET2025: 059-056	11:20	Proposal for Architectural Twin: A Review of Spatial Efficiency in a Tropical Building Design	FX Teddy Badai Samodra	Institut Teknologi Sepuluh Nopember, Indonesia



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SESSION 4: ENVIRONMENTAL MANAGEMENT AND PROTECTION

Thursday, 4th September 2025 (MYT 14:30 – 16:50)

Chairperson: Dr. Nur Liza Rahim

Link: <https://meet.google.com/axo-eont-pme>

No.	Paper ID	Time	Title	Author	Affiliation
1	IConGEET2025: 037-028	2:30	Enhancing Student Safety Awareness and Behavior Through Technology Integration in Schools	Muna Alzaabi	University of Sharjah, UAE
2	IConGEET2025: 028-021	2:50	Waste Heat Driven Vapour Absorption Refrigeration System for Two-Wheelers Using LiBr-HO Pair	Bhavin Mehta	Charotar University of Science & Technology, India
3	IConGEET2025: 036-027	3:10	Effective Building Design and Operation: Implications from a Lighting Design to Occupants	Shatha Nasser	University of Sharjah, UAE
4	IConGEET2025: 051-037	3:30	Simultaneous determination of total and speciated mercury in marine sediment: a combined analytical approach	Veronika Ivanova	University of Chemical Technology and Metallurgy, Bulgaria
5	IConGEET2025: 019-055	3:50	Dam Removal Monitoring Study Kirkpatrick Dam and Rodman Reservoir	Marwan Kheimi	King Abdulaziz University, Saudia Arabia
6	IConGEET2025: 078-079	4:10	A Reliable Method for The Total Extraction of DNA From Sturgeon Fins Preserved in Ethanol	Raluca Prangate	National Institute for Research and Development in Environmental Protection, Romania
7	IConGEET2025: 030-088	4:30	IoT-Based Real-Time Monitoring System for Sea Turtle Nesting on Tengah Island, Mersing, Johor	Norazida Ali	Politeknik Mersing Johor, Malaysia



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SESSION 5: AIR POLLUTION, GLOBAL WARMING & CLIMATE CHANGE

Thursday, 4th September 2025 (MYT 09:00 – 11:00)

Chairperson: Assoc. Prof. Ts. Dr Ragunathan Santiagoo

Link: <https://meet.google.com/bod-ekfd-yyr>

No.	Paper ID	Time	Title	Author	Affiliation
1	IConGEET2025: 092-100	9:00	Assessment on Trend Analysis of NO _x and O ₃ Level in Malaysia Urban Environment	Norazian Mohamed Noor	Universiti Malaysia Perlis (UniMAP), Malaysia
2	IConGEET2025: 071-070	9:20	A Moving Block Bootstrapping with Ratio-Based (MBB-Ratio) Resampling Approach for Early Warning of High Particulate Event Prediction in Malaysia	Mahiran Muhammad	Universiti Teknologi MARA (UiTM), Malaysia
3	IConGEET2025: 086-101	9:40	Linking Urban Tree Coverage with PM ₁₀ and PM _{2.5} Pollution Concentration in Malaysia	Norazrin Ramli	Universiti Malaysia Perlis (UniMAP), Malaysia
4	IConGEET2025: 040-044	10:00	Data-driven Analysis of Fuel Consumption Trends and Policy Options for Decarbonizing Transportation in GCC Countries	Saleh Alotaibi	King Abdulaziz University, Saudi Arabia
5	IConGEET2025: 043-032	10:20	Climate-Resilient Decentralized Wastewater Treatment Systems for Arid Regions	Sultan k. Salamah	Taibah University, Saudi Arabia
6	IConGEET2025: 079-074	10:40	Comparative analysis of cropland carbon dynamics by satellite indicators, models and direct measurements	Lucian Laslo	National Institute for Research and Development in Environmental Protection, Romania



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SESSION 6: WASTEWATER AND WATER TREATMENT INNOVATIONS

Thursday, 4th September 2025 (MYT 14:30 – 16:10)

Chairperson: Dr. Hazirah binti Pengiran

Link: <https://meet.google.com/wfa-mxki-knt>

No.	Paper ID	Time	Title	Author	Affiliation
1	IConGEET2025: 078-077	2:30	Bacterial extracellular polymeric substances for the removal of antibiotics from the environment as nature-based solutions	Raluca Prangate	National Institute for Research and Development in Environmental Protection, Romania
2	IConGEET2025: 056-045	2:50	Hard Water as an Environmental Concern: A Review of Practical Solutions for Better Environment and Public Health	Hessa Ahmed Alshaer	University of Sharjah, UAE
3	IConGEET2025: 081-082	3:10	Investigation of antibiotic contamination and bacterial resistance profile in lakes of the Bucharest area, Romania	Gina Ghita	National Institute for Research and Development in Environmental Protection, Romania
4	IConGEET2025: 058-049	3:30	Modelling the Effect of Riverbed Sediment Clogging on 3D Contaminant Transport in Riverbank Filtration Systems	Shaymaa Mustafa	Universiti Teknologi Malaysia (UTM), Malaysia
5	IConGEET2025: 055-048	3:50	Mapping scientific progress in struvite technology applications for wastewater treatment	Mohamad Darwish	Universiti Teknologi Malaysia (UTM), Malaysia



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SESSION 7: PUBLIC HEALTH, SAFETY AND RISK ASSESSMENT

Thursday, 4th September 2025 (MYT 14:30 – 16:10)

Chairperson: Assoc. Prof. Ts Dr Irnis Azura Zakarya

Link: <https://meet.google.com/rme-gukn-zfv>

No.	Paper ID	Time	Title	Author	Affiliation
1	IConGEET2025: 044-034	2:30	Surface Environment Informatics of Fungal Contamination in Industrial Settings: A Case Study in the Tropical Footwear Manufacturing Sector	Nixon Anthony	YCM Products Co., Ltd., Taiwan
2	IConGEET2025: 066-064	2:50	The Implications of Psychosocial Risk Factors Among Shift Workers in the Healthcare Industry and the Potential of Advanced Technology to Influence Psychosocial Receptors and Mitigate These Risks.	Aisha Ahmed Albairaq	University of Sharjah, UAE
3	IConGEET2025: 081-081	3:10	Health risk assessment of heavy metals in soil from a landfill area in Romania	Gina Ghita	National Institute for Research and Development in Environmental Protection, Romania
4	IConGEET2025: 015-008	3:30	Reviewing The Influence of AI and Wearable Devices on Workplace Safety: Examining Injury Prevention, Risk Reduction, and Health Monitoring in The United Arab Emirates	Raiham Abdallah Mohammed Alhammadi	University Of Sharjah, UAE
5	IConGEET2025: 027-019	3:50	Innovative Environmental Risk Management in UAE Schools A Strategic Approach to Public Health and Sustainability	Layla Almazrouei	University of Sharjah, UAE