

Day 1 (29 September 2025)			
Time	Room: Grand Emerald		
08:00 AM	Registration		
08:45 AM	Welcoming Remarks & Opening Ceremony		
09:15 AM	Keynote Address 1 (Prof. Ts. Dr. Norzila Othman)		
09:45 AM	Keynote Address 2 (Dato' Ir. Dr. Mohd Asbi Othman)		
10:15 AM	Keynote Address 3 (Prof. Ir. Dr. Sugiman)		
10:45 AM	Coffee Break		
11:00 AM	Plenary Session (with Datuk Ts. Dr. Sivakumar Chinnasamy, Dato' Ir. Dr. Mohd Asbi Othman and Ar. Adrianta Aziz)		
01:00 PM	Lunch Break		
Parallel Technical Sessions 1 (On-site)			
Time	Room: Emerald 1	Room: Emerald 2	Room: Emerald 3
02:00 PM	10	17	45
	13	24	49
	15	38	53
	48	34	56
	81	35	58
	83	87	73
	90	98	91
03:30 PM	Coffee Break		
Parallel Technical Sessions 2 (On-site)			
Time	Room: Emerald 1	Room: Emerald 2	Room: Emerald 3
03:45 PM	7	33	6
	9	41	59
	11	42	75
	16	51	79
	39	55	93
	64	63	99
	105	70	92
05:00 PM		68	
	End of Day 1		

Day 2 (30 September 2025)		
Parallel Technical Sessions 3 (On-site)		
Time	Room: Emerald 1	Room: Emerald 2
09:00 AM	8	72
	61	76
	94	78
	100	97
	106	103
10:45 AM	Coffee Break	
Parallel Technical Sessions 4 (On-site)		
Time	Room: Emerald 1	
11:00 AM	32	
	36	
	62	
	77	
	85	
	95	
	96	
01:00 PM	Lunch / End of Day 2	

Note:

- The numbers indicate the Paper ID.
- Scroll down for full details of the Paper Title and Author.
- Each presentation slot is up to 15 minutes long (inclusive of Q&A).
- Registration begins at 8:00 AM.
- The opening ceremony, keynote addresses and plenary session can be watched online at following link: https://youtube.com/live/4yPkc7ka1_l?feature=share
- For online presentations the links to Rooms A, B and C are as follows:
 - Room A : <https://meet.google.com/hoe-atgw-hrq>
 - Room B : <https://meet.google.com/ktu-ozbg-kxz>
 - Room C : <https://meet.google.com/khi-txfo-uve>

Day 1 (29 September 2025)			
Online Presentations 1			
Time	Room A	Room B	Room C
02:00 PM	2	18	25
	14	26	50
	23	27	52
	31	28	69
	40	29	84
	60	54	74
			22
		101	
03:30 PM	End		
Online Presentations 2			
Time	Room A	Room B	
03:45 PM	30	4	
	43	5	
	46	57	
	47	80	
	67	88	
	71	104	
82			
05:00 PM	End		

DAY ONE			
Room: Emerald 1	Date:	29 September 2025	Parallel Technical Sessions 1
	Time:	02:00 PM - 3:30 PM	
	Session Chair:	Dr. Noorwirdawati Ali	
PAPER ID		PAPER TITLE	AUTHORS
10	Physical, Mechanical, and Durability Properties of Graphene Oxide-Based Geopolymer Mortar with Additional Water Content		Alia Sofea Shamsol, Nazirah Mohd Apandi, Warid Wazien Ahmad Zailani and Khairul Nazhan Khairul Izwan
13	From Morphology to Mechanics: Correlating Graphene Oxide Properties with Compressive Strength Enhancement in Cement Paste		Khairul Nazhan Khairul Izwan, Nazirah Mohd Apandi, Warid Wazien Ahmad Zailani and Alia Sofea Shamsol

15	Characterization GGBS-WCT Based Hybrid One Part Geopolymer Repair Binder	Mohd Najmudin Helmi Abu Bakar, Warid Wazien Ahmad Zailani, Nazirah Mohd Apandi Ni Komang Ayu Agustini and Suhana Koting
48	Fundamental Experiments of Alkali-activated Material Mortar and Concrete by using Water Glass with a Mole Ratio of 2.5	Kosuke Matsuoka, Yoichi Mimura and Itaru Horiguchi
81	Precipitation of Calcium Carbonate (CaCO ₃) by Ureolytic Bacteria in Improving the Quality of Recycled Coarse Aggregate (RCA)	F E Wulandari, U S V Veptiana, T Permatasari, I Mustafa, E Arifi, E N Cahya
83	Synergistic Effect of Coconut Shell Aggregate and Thermally Activated Alum Sludge Ash on the Durability of Lightweight Concrete	Shantha Kumari Muniyandi, Gunalaan Vasudevan and Gunavathy Kanniyapan
90	Development of a Preliminary Decision-Making Model for Façade Retrofit in Tropical Regions	Y J Chai, W T Hong and L B Jack

DAY ONE			
Room: Emerald 2		Date: 29 September 2025 Time: 02:00 PM - 3:30 PM Session Chair: Assoc. Prof. Dr. Nor Amani Filzah Binti Mohd Kamil	Parallel Technical Sessions 1 29 SEP
PAPER ID	PAPER TITLE	AUTHORS	
17	Valorization of Steel Slag Through Acetic and Oxalic Acid Leaching for Environmental Carbon Capture	U R Abdullah, F M Kusin and W A W A K Ghani	
24	Efficiency Optimization in Ammonia Nitrogen and Color Reduction from Leachate Using Kaolin	Mahmoud H. A., Zaynab A. Belel, Sabo Bala, Abubakar Sadiq Mahmoud and Zawawi Daud	
38	Characteristics Evaluation of Oyster Shell as Alkalinity Supplier for Nitrogen-rich Wastewater Treatment	T Yamamoto, Y Muraoka and D Tanikawa	
34	Algae Cultivation with Biogas and Treated Natural Rubber Wastewater to Propose A New Effective Method of Biogas Utilization	T Kochu, S Yamabuki and D Tanikawa	
35	Examination of Operating Conditions to Maximize the Process Performance of the Anaerobic Baffled Reactor for Carbohydrate-rich High Strength Wastewater	S Kuramoto, D Motokawa, Y Itoiri, Zen-Ichiro Kimura and D Tanikawa	
87	A Study on Bamboo Preservation Methods as Building Material Based on Indonesian Bamboo Preservation Standards	A Masdar, Novianti, D Putri, A D Masdar and Maidiawati	
98	Removal of Ammoniacal Nitrogen and Colour Using Electrocoagulation (Al-Al Electrode) From Matured Leachate	N A A Sulaiman, N S Mohd Zin, L W Mohamad Zailani and N A N W Abdul Rasid	

DAY ONE			
Room: Emerald 3		Date: 29 September 2025 Time: 02:00 PM - 3:30 PM Session Chair: Dr. Nur Ain Ebas	Parallel Technical Sessions 1 29 SEP
PAPER ID	PAPER TITLE	AUTHORS	

45	Inspection and Analysis of Road Barrier and Roadside Hazard Along Federal Road in Malaysia	M S Nemmang, A Shabadin, Sharifah Allyana S M R, N A Mhd Yunin, N S Mohd Zulkifli and Khairi Supar
49	The Effect of Road Features on Vehicle Travelling Speed within Malaysian Federal Roads	N A Mhd Yunin, M S Nemmang, H Mohamed Jamil, A Shabadin and J S Ho
53	Research on Travel Behaviour Change Mechanisms of Citizens and Companies at the G7 Hiroshima Summit 2023	Yoji Yamamoto and Yusuke Kanda
56	Development of a Simulation System for Predicting Traffic and Parking Congestion at Famous Tourist Destinations	K Watanabe and Y Kanda
58	EvacPath: Nature-Inspired Metaheuristics Optimization Techniques for Evacuation Route	Muhammad Haikal Zainuddin, Azleena Mohd Kassim, Nor Shamira Sabri and Fadzli Mohamed Nazri
73	Assessing the Influence of Environmental, Social and Governance (ESG) Pillars on Carbon Emissions in Transportation Industry	Lina Lutfiana and Moch. Doddy Ariefianto
91	Factors Affecting the Consumer's Willingness to Pay for Green Housing Products in Johor, Malaysia	A M B Budiea, N M Roshisham, K Muthusamy, M A Ismail and S N Mokhtar

DAY ONE				
Room: Emerald 1		Date: 29 September 2025 Time: 03:45 PM - 05:00 PM Session Chair: Dr. Siti Hidayah Abu Talib	Parallel Technical Sessions 2	29 SEP
PAPER ID	PAPER TITLE	AUTHORS		
7	Evaluation of 3D Photogrammetry and LiDAR Scanning Technologies for Offshore Construction: A Case Study in a Malaysia Offshore Project	Z Ishak, K Ku Shaari, F Shahudin, A Abu Bakar, M I Zulkifli, A Ishak, G Tang and F Hassan		
9	Automating Energy Efficiency Components of the GBI using Revit-Dynamo BIM Workflows	J Y Wong, J R Luk, Z X Chew, C C Yip, Y H Tang and S Y Wong		
11	Enhancing IBS Column Design: A Feasibility Study Using Similitude Law and Buckingham Pi Theorem	Yen Sin Lim, Jing Ying Wong, Chun-Chieh Yip, Lloyd Ling, Foong Sin Lam and Weng Khuen Chong		
16	Towards Sustainable Healthcare Facilities: A Review on the Benefits of Indoor-Outdoor Nature Design Integration on Healthcare Workers' Well-being	Nor Diyana Mustapa and Aida Syaquirah Muhsein		
39	Dynamic Characterization of Bridge Structures Using the Finite Element Method	S H A Mohd Din, S A Kudus, A Jamadin and M F Misnan		
64	Modal Analysis of Simply Supported Corrugated Plate Using Finite Element Method	A M S Sawahli, S Abdul Kudus, A Jamadin, M F Misnan and H A Abbas		
105	Systematic Literature Review on Integrating Design Safety Principles with Climate Change Resilience in the Construction Industry	Wan Faida Wan Mohd Azmi and Mohd Saidin Misnan		

DAY ONE			
	Date: 29 September 2025	Parallel	29

Room: Emerald 2		Time: 03:45 PM - 05:00 PM	Technical Sessions 2	29 SEP
PAPER ID		PAPER TITLE	AUTHORS	
33	Degradation of Vulcanized Rubber by Microbial Consortia in Natural Rubber Wastewater Treatment System	D Tanikawa, F Yoneyama and A Mase		
41	Plant-Based Synthesis and Structural Characterization of Zinc Oxide Nanoparticles via Pistia Stratiotes	N A Heshammuddin, R M S R Mohamed, S Musa and M A Busu		
42	Evaluation of Sewage Treatment Performance Utilizing An Oyster Shell Down-flow Hanging Sponge Reactor	K Nakagawa, M Hiramoto and D Tanikawa		
51	Electronic Waste Management in Malaysian Private Universities: KPIs and ESG Considerations	Nur Aqlima Ramli, Shirley Tan Jia Wen, Naziatul Syima Mahbob, Siti Solehah Kadir, Yow Li Ping, Nurul Nadiah Zainol and Elia Syarafina Abdul Shakur		
55	Analysis of Separation Regions Formed Within a Group of Nons-ubmerged Cylinders Using Bottom Velocity Calculation Method	K Matsumoto, T Kurokawa and K Kashima		
63	Stakeholder Engagement in Integrated River Basin Management: Understanding Organisational Roles and Perspectives in Malaysia	Chow Hock Lim, Rahmah Elfithri, Christopher Giddins and Fang Yenn Teo		
70	Water Disclosure as a Tool for Sustainable Water Management in Water-Sensitive Industries	N Majid, H T Setijaningsih and R Widuri		
68	Water Quality Prediction Using Stepwise Multiple Linear Regression: A Case Study of Kemajuan Lake	M H A Azman, R Hamdan, N A Ebas, A Khamis and A Drizo		

DAY ONE				
Room: Emerald 3		Date: 29 September 2025 Time: 03:45 PM - 05:00 PM Session Chair: Ts. Dr. Rosnawati Binti Buhari	Parallel Technical Sessions 2	29 SEP
PAPER ID		PAPER TITLE	AUTHORS	
6	Analysis of Road Congestion Due to Side Obstacles on Tanjung Api-Api road, Palembang City	I Trisnawati, SW Mudjanarko and J Prasetijo		
59	Material Durability and Economic Viability of Road Safety Interventions in Tropical Coastal Environments: Ambon's Arterial Road Case Study	Sumaiyah Ohorella, Aine Kusumawati and Ade Sjarifudin		
75	Evaluation of Level of Service (LOS) for Multilane IntraUrban Expressway in Klang Valley	Syed Khairi Syed Abbas, Jezan Md Diah, Muhammad Akram Adnan, Mohd Najmi Abd Razak and Adi Yazid Rosli		
79	Performance of Steel Waste Tyre Fibre (SWTF) on Creep Deformation Resistance Behaviour of Hot Mix Asphalt	S Sinatu Sadiha, M T Mohammad Nasir, M Z Hussein, B Hazirah A R Nura'in Nabilah and A Faisal		
93	Effect of Concrete Waste Particle Size on the Strength of Stabilized Soil: A UCS-Based Study	Ayah Almsedeen, Mohd Fakhrurrazi and Nurmunira Muhammad		
99	Estimating the Vehicle Kilometres Travelled for Motorcycles and Cars	Rohayu Sarani, Sharifah Allyana SMR, Nur Aziemah Azahar and Rizati Hamidun		

92	A Systematic Literature Review of the Implementation of Sustainable Procurement in Railway Infrastructure	Pratiwi Setyaning Putri and Riduan Yunus
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DAY ONE				
Room A		Date:	29 September 2025	
		Time:	02:00 PM - 3:30 PM	
		Link:	https://meet.google.com/hoe-atgw-hrq	
		Session Chair:	Ir. Ts. Dr. Jeffrey Yap Boon Hui	
		Online Presentations 1	29 SEP	
PAPER ID		PAPER TITLE		AUTHORS
2	Project X Complex Transportation & Installation Campaign; Strategies & Scheduling for Greater Cost Effectiveness		Khairan Syuhada Binti Kassim, Helmi B Ngadiman, Faizal B Shahudin and Maran Marimuthu	
14	Key Drivers of Success in Sustainable International Development Projects: Insights from the Social Fund for Development in Mukalla, Yemen		Saleh Al-Nasi, Sushilawati Ismail, Riduan Yunus and Aawag Mohsen Alawag	
23	Construction Waste Reduction in Yola Using Circular Economy Approaches		Zaynab A. Belela and Mahmoud H. Abubakar	
31	Towards Smart Sustainable Cities: A Study on Readiness Levels and Strategic Enhancements		P F Wong, Y H Too, M S Kiu, Z Q Li, F Y Y Yong and L P Yow	
40	Assessing Importance of Training to Increase Subcontractors' Competitiveness in Road Projects		M R Ismail, R Rahman, L W Tan, S B H Syed Mohamad, J Md Diah, N Mashros and Hassan MF	
60	Smart Moves: Strategic Pathways to Digital Transformation in Construction Project Management		Jeffrey Boon Hui Yap, Kah Ling Chua, Wah Peng Lee Wun She Yap and Nur Aqlima Binti Ramli	
	#N/A		#N/A	

DAY ONE					
Room B	Date:	29 September 2025		Online Presentations 1	29 SEP
	Time:	02:00 PM - 3:30 PM			
	Link:	https://meet.google.com/ktu-ozbg-kxz			
	Session Chair:	Dr. Sushilawati Binti Ismail			
PAPER ID		PAPER TITLE		AUTHORS	
18	Immobilised Microalgae In Alginate Beads For Effective Pollutant Mitigation		K Cheong and N M Sunar		
26	Comparison of Chemically Synthetic and Probiotic-Synthetic for Effective Growth Rate and Biomass Production of Botryococcus sp. in Outdoor Cultivation System		N H Anuar, N Mohamed Sunar, S N H Arifin, N S A Wahab, N I H Mohd Razalee and M A Mohd Atarabusyi		
27	The Study of Biomass and Growth of Microalgae by Using Different Fertilizer Compositions		M A Mohd Atarabusyi, N Mohamed Sunar, N I H Mohd Razalee, N S Abdul Wahab, N H Anuar, S N H Arifin and Z Y Lee		

28	Different Chemical Fertilizer Ratios of Nitrogen, Phosphorus and Potassium for Botryococcus braunii Cell Growth Enhancement	Nur Izzati Haziqah Mohd Razalee, Norshuhaila Mohamed Sunar, Muhamad Aiman Mohd Atarabusyi, Nur Shazrina Abdul Wahab, Nur Hamizah Anuar and Siti Nor Hidayah Arifin
29	Restaurant Wastewater Phycoremediation by Immobilized Microalgae Botryococcus sp. Beads	Ramathasan Nagarajah, Najeeha Mohd Apandi, Norshuhaila Mohamed Sunar, Noor Afifee Raihan Shaari and Yuvanesrao Apparao
54	Critical Elements of Green Cleaning for Malaysian General Hospital	Ramli NA, Fodzi NHM, Kadir SS, Yaccob IA, Mahbob NS, Rosly R and Yow LP
	#N/A	#N/A

DAY ONE			
Room C	Date:	29 September 2025	Online Presentations 1
	Time:	02:00 PM - 3:30 PM	
	Link:	https://meet.google.com/khi-txfo-uve	
	Session Chair:	Ir. Ts. Dr. Noorasyikin Binti Mohammad Noh	
PAPER ID	PAPER TITLE		AUTHORS
25	Design the Optimum Stabilized Soil by Adding Fly Ash and Cement for Slope Protection Method		M.P. Nur Irfah, T. Kelwin, M.S. Mohamad Shakri and M.R. Mohd Shahril
50	Effect of Rice Husk Ash (RHA) on Mechanical and Transport Properties as Partial Cement Replacement Materials		M N R Abu Bakar, M H Ismail, N A N Che Rahim, M A Majid and A F George
52	Influence of Sugarcane Bagasse Bio-oil on Asphalt Binder Performance at Low Temperatures		Basit Ali, Peilong Li, Hussein Almufargi and Atif Khan
69	Performance of Sand and Clay Mixtures in Earth Dam Cores Based on Finite Element Method (FEM) and Statistical Analysis		Syaza NurBatrisyia Mohd Razif and Mohd Firdaus Md Dan
84	Utilization of LDPE Plastic Waste and Pre-vulcanized Natural Latex as Modifiers of High-Performance Bitumen		Madi Hermadi, Zahra Farida Rahmah, Yusriana Amalia, Varah Fajrin Vebrianty and Dodit Ardiatma
74	Experimental Evaluation of Hydraulic Coefficients in Orifice Flow with Varying Diameters		Z M Ali, N Radzuan and N A Ahmad
22	Performance Evaluation of Gap-Graded Asphalt Mixtures: A Review of Laboratory Testing Methods and Durability Insights		S Aripin and M E Abdullah
101	Performance-Based Contracting as a Catalyst for Highway Maintenance Reform in Malaysia		Fadzil Ibrahim, Mohd Ezree Abdullah, Ruzaimah Razman and Haryati Yaacob

DAY ONE			
Room A	Date:	29 September 2025	Online Presentations 2
	Time:	03:45 PM - 05:00 PM	
	Link:	https://meet.google.com/hoe-atgw-hrg	
			29 SEP

		Session Chair: Prof. Madya Ir. Dr. Norwati Binti Jamaluddin		
PAPER ID	PAPER TITLE	AUTHORS		
30	Numerical Simulation for Seismic Performance of BeamColumn Joints with Diagonal Bars in Joint Area: Effect of Development Length of Diagonal Bar	Angelina Eva Lianasari, Stefanus Adi Kristiawan, Senot Sangadji and Halwan Alfisa Saifullah		
43	Concrete Solutions for a Carbon-Neutral Malaysia: Stakeholder Perspectives on Industry Transformation	Y H Tang, L G Bong, A A Mohamed and J Y Wong		
46	Effects of Stiffeners on Bending Resistance of Cold Formed Channels	Q R Lim, T L Lau, T W Yeong, M P Anwar, M L Lee, A M Abdullahi and W Elleithy		
47	An Investigation of Properties of Fiber – Graphene Oxide Concrete Composite	R Elvira, M P Anwar, T W Yeong, T L Lau, W K Choong, A M Abdullahi and W Elleithy		
67	Development of Green Concrete incorporating Recycled Glass Powder for Sustainable Construction and Material Conservation	Lee Cheng Man, N A Hashim and H N Yakin		
71	Development of Sustainable Sand Cement Bricks Incorporating Coal Fly Ash and Magnesium Oxide for Enhanced CO ₂ Sequestration	Faisal Sheikh Khalid, Syazwi Hakimi Saaidin, Chong Ming Quan, Connie Kong Hui Jun, Syafiq Ayob, Zahir Zaki and Sajjad Ali Mangi		
82	Utilization of Textile Wastewater Sediment as Partial Sand Replacement in Sustainable Cement-Sand Bricks	M H Khudhairi, Z Jamellodin, M M H Othman, N Salleh, N A A Hamid, S J S Hakim, S H Adnan and R Jamil		

DAY ONE					
Room B	Date:	29 September 2025		Online Presentations 2	29 SEP
	Time:	03:45 PM - 05:00 PM			
	Link:	https://meet.google.com/ktu-ozbg-kxz			
	Session Chair:	Dr. Siti Radziah Binti Abdullah			
PAPER ID		PAPER TITLE		AUTHORS	
4	Bamboo Nanofibers-CNT Filled Waste Polypropylene Container Composite: Characterization by SEM-EDX and FTIR		Noor Hafizah Mohammad, Nur Ilya Farhana Md Noh, Suffiyana Akhbar, Zakiah Ahmad, Rahida Wati Sharudin, Sajith Thottabthil AbdulRahman, Bijesh Paul, Lum Wei Chen, Norshariza Mohamad Bhkari, J Ng, Ruzaimah Razman, Mohamad Azim Bin Mohammad Azmi, Salihah Surol, Deprizon Syamsunur and Anis Azmi		
5	Mechanical Properties of Bamboo Nanofibers CNT using Waste Polypropylene Container due to Direct Chemical Treatment		Nur Iwana Irdina Othman, Nur Ilya Farhana Md Noh, Suffiyana Akhbar, Zakiah Ahmad, Rahida Wati Sharudin, Sajith Thottabthil AbdulRahman, Bijesh Paul, Lum Wei Chen, Norshariza Mohamad Bhkari, J Ng, Ruzaimah Razman, Mohamad Azim Bin Mohammad Azmi, Salihah Surol, Deprizon Syamsunur and Anis Azmi		

57	Physical, Mechanical and Leaching Properties of Fired Clay Brick Incorporating Industrial Ceramic Sludge	I U R Jufri, A A Kadir and N A Sarani
80	A Comparative Study Between Multiple Linear Regression and Fuzzy Linear Regression in Predicting the Water Quality Index	M H A Azman, N A Ebas, R Hamdan, M A Shafi and B B Abdal
88	Wall Concrete Panels and the Future of Construction: A Comprehensive Bibliometric Analysis	Muhammad Yazid, Norwati Jamaluddin and Shahrul Niza Mokhatar
104	Performance of Sleeve Flange (SF) Lipped Cold-formed Steel Splice Connections with Different Numbers of Self-drilling Screws	M S Safieai, A F Kamarudin, I R Muhammad Alif, Z Mohd Jaini, S J Seyed Hakim, A M A Mohd Budiea and M A Noor
	#N/A	#N/A

DAY TWO			
Room: Emerald 1		Date: 30 September 2025 Time: 09:00 AM - 10:45 AM Session Chair: Dr. Norhafizah Salleh	Parallel Technical Sessions 3 30 SEP
PAPER ID	PAPER TITLE	AUTHORS	
8	Performance of a Bamboo Layer for Soil Stabilization	A M Zambri, A Zainorabidin, Z Zainal, C H Yew, A Z Salihin, M J Zainal and B Affandy	
61	Evaluating Struck-by Accident Causes and Preventive Measures in Construction Sites using PLS-SEM Analysis	N F Basirun, N H Abas and N F Kariya	
94	Analysis The Most Significant Delay Factors and Mitigation Measures at High-Rise Construction Projects in Kuala Lumpur	Abid Hussain Mughal, Mohd Hafizal Hanipah, Sasitharan Nagapan, Riduan Yunus and Farhad Ali Malang	
100	Evaluating User Satisfaction and Preferences at Rest and Service Areas (RSAs) in Malaysia: A Comprehensive Review	Norhadziana Jamal, Mohd Ezree Abdullah, Ruzaimah Razman and Norhidayah Abdul Hassan	
106	Optimising Building Envelope for Energy-Efficient Educational Facilities in Tropical Climates	J Jailani and M N K Tapa	
	#N/A	#N/A	
	#N/A	#N/A	

DAY TWO			
Room: Emerald 2		Date: 30 September 2025 Time: 09:00 AM - 10:45 AM Session Chair: Dr. Noorwirdawati Ali	Parallel Technical Sessions 3 30 SEP
PAPER ID	PAPER TITLE	AUTHORS	

72	Effect of Slope Height on Coefficient of Restitution and Energy Dissipation in Laboratory Testing	Muhammad Haziq Fikri Lokman, Mohd Firdaus Md Dan @ Azlan, Aniza Ibrahim, Aizat Mohd Taib, Dayang Zulaika Abang Hasbollah, Nordiana Mohd Mustaza, Aziman Madun and Mohd Khaidir Abu Talib
76	Improvement of Marshall Properties in Asphalt Mixtures for Enhanced Resistance to Moisture-Induced Damage	MY Aman, N Norazman, M N M Taher, H Bujang and N Abdul Hamid
78	Effects of Ceramic-Modified Rubberized Concrete on Material Properties	SJS Hakim, TE Penn, AM Mhaya, MHW Haziman, S. N. Mokhatar, AF Kamarudin, AF Alshalif1 and Z Jamellodin
97	Initial Water Absorption of Bio-Foamed Concrete Brick Incorporating Rice Husk Ash, Coffee Waste, Eggshell Powder and Bacillus Tequilensis	Abdullah Faisal Alshalif, Mohammed Ali Mansour, Ahmed Mohamed Al Khalifa Honin Ali Yehya Alshaeer, Ibrahim Mohammed Nasser, Akram M. Mhaya and SJS Hakim
103	Performance of Modified-Concrete Exposed to Elevated Temperatures Incorporating Ground Granulated Blast Furnace Slag	AM Mhaya, SJS Hakim, MHW Haziman, S Shahidan, S.N. Mokhatar and AF Alshalif
	#N/A	#N/A
	#N/A	#N/A

DAY TWO				
Room: Emerald 1		Date: 30 September 2025 Time: 11:00 AM - 01:00 PM Session Chair: Dr. Basil David Daniel	Parallel Technical Sessions 4	30 SEP
PAPER ID	PAPER TITLE	AUTHORS		
32	Water Flow Simulation of Porous Medium using Numerical Method: A Study on Single Layer Granular Material	R Buhari		
36	Effect of Pre-Inoculation on Solidification and Stabilization Matrices Under Marine Water Conditions by Using Alum Sludge	A S Roslan, M F H Abdul-Latiff and N A F Mohd-Kamil		
62	A Case Study Analysis of Fatal Incidents Involving Scaffolds in The Malaysian Construction Industry	N A Mahmod and N H Abas		
77	Mechanical Properties of Concrete Block containing Crumb Rubber for Sidewalk Application	L W Sheng and R Buhari		
85	Experimental Investigation on the Compressive Strength of Dual-Layer Concrete with Different Concrete Grades	N A A Hamid, N F Zahid, A H Sukor, S H Adnan, Z Jamellodin, N Salleh, N Jamaluddin, N Ali and S R Abdullah		
95	Assessment of the Classroom at SMK Munshi Sulaiman: Essential Research for the Design of a Sustainable Learning Environment	Ng Shi Yuan and Tong Yean Ghing		
96	Campus Walkability: Modifying Driver and Pedestrian Behaviour at Raised Crosswalks using Double-sided Pedestrian Crossing Sign Bollards	B D Daniel, X Yun, S W Mudjanarko, Paikun, N Ahmad Termida and M Y Aman		