

Program Schedule

(Hybrid Mode: Physical & Virtual)

Day 1: February 7, 2024 Wednesday

Time	Venue	Event
15:00-17:00	CE Building	Physical Reporting, Collection of Conference Kits

Day 2: February 8, 2024 Thursday

Time	Venue	Event
08:00-09:00	CE Building	Physical Reporting, Collection of Conference Kits
09:00-10:20	Auditorium	Inaugural Ceremony of ICCESD 2024
10:20-11:00	Auditorium	Refreshment
11:00-11:45	Auditorium	Keynote - I
11:45-12:30	Auditorium	Keynote - II
12:30-14:00	CE Building	Prayer & Lunch
14:00-16:00	CE Building & Zoom	Technical Sessions (A1, B1, C1, D1, E1, F1, G1)
16:00-16:30	CE Building	Prayer & Tea
16:30-18:00	CE Building & Zoom	Technical Sessions (A2, B2, C2, D2, E2, F2, G2)
18:00-18:20	CE Building	Prayer & Refreshment
18:20-20:10	CE Building & Zoom	Technical Sessions (A3, B3, C3, D3, E3, F3, G3)
20:15	CE Building	Supper

Day 3: February 9, 2024 Friday

Time	Venue	Event
08:15-08:50	CE Building	Snacks, Physical Reporting & Collection of Conf. Kits
09:00-10:30	CE Building & Zoom	Technical Sessions (A4, B4, C4, D4, E4, F4, G4)
10:30-11:00	CE Building & Zoom	Keynote III and IV
11:00-11:20	CE Building	Tea Break
11:20-13:00	CE Building & Zoom	Technical Sessions (A5, B5, C5, D5, E5, F5, G5)
13:00-14:45	CE Building/Mosque	Friday Prayer & Lunch
14:45-15:15	CE Building	Keynote V and VI
15:15-16:15	CE Building & Zoom	Technical Sessions (A6, B6, C6, D6, E6, F6, G6)
16:15-16:40	CE Building	Prayer & Tea
16:40-18:10	CE Building & Zoom	Technical Sessions (A7, B7, C7, D7, E7, F7, G7)
18:10-19:00	CE Building	Prayer
19:00-22:00	CE Building	Closing Ceremony & Conference Dinner
22:00		3-days Sundarban Tour (Only for tour registered person)

Conference Tour: February 10, 2024 Saturday

Time	Reporting	Event
07:30-19:00	07:15 at CE Building	Conference Day Tour

Welcome Address

Dear Distinguished Scholars,

Warm greetings!

Welcome to attend the 7th International Conference on Civil Engineering and Sustainable Development (ICCESD 2024) to be held in KUET, Bangladesh during February 07-09, 2024. On behalf of organizing committee, I sincerely appreciate your support to the conference.

To make all of us connected more conveniently, we're not only holding this conference in KUET, but also creating a customized "Web Platform" where participants from different parts of the world will be networked. On the virtual platforms, the attendees can present the papers and can participate in the technical sessions.

We'd like to express our gratitude and appreciation to all the individuals who have contributed to our conferences in various ways. Special thanks are extended to the reviewers of the conference for their thorough review of all the submissions, which is vital to the success of the conference, and also to the members in the organizing committee who had given their valuable time and efforts in planning, promoting, organizing and helping the conference. The conference will provide opportunities for the participants to exchange new ideas and application experiences face to face, to establish business or research relations and to find global partners for future collaboration.

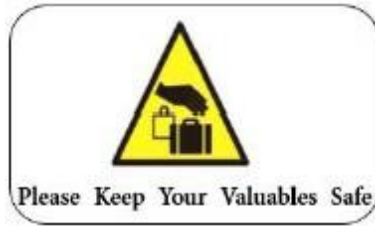
Hope all of you have a wonderful experience and have a good harvest during the conference! Meanwhile, we warmly welcome you to join with us in the next year conference in 2026. As always, thank you very much for your constant attention and support to our conferences.

On behalf of the Organizing Committee,

Prof. Dr. Md. Rokonuzzaman
Conference Chair, ICCESD 2024
Department of Civil Engineering
Khulna University of Engineering & Technology
Khulna-9203, Bangladesh

Warm Tips

1. For your property safe, please take good care of your valuables during the entire conference.



2. The conference organizer does not assume any responsibility for your personal losses.
3. For personal and property safety of delegates, please wear the conference Representative Card when enter and exit the venue. And wear it near the conference venue. Do not lend your card to someone unrelated to the conference. Do not bring unrelated people into the venue.



4. Please do not discard the delegates' card casually.

Presentation Guidelines

➤ Time Zone

Bangladesh Standard Time (GMT+6)

➤ Virtual Platform

Zoom platform will be used for the virtual sessions.

How to enter the meeting room: Please click “**Join a Meeting**”, copy the Meeting ID and Rename your name with this format (**Paper ID + Name**).

➤ Test Day (for virtual sessions)

Date: February 7, 2024

There will be a test session on February 7 between 15:00 to 17:00 (BDS time) before the formal session to help you master how to use Zoom to make presentation and make the formal sessions goes smoothly.

➤ Formal Day (Physical & Virtual)

Regular oral presentation: about **08** minutes for presentation and **2** minutes for Q&A
We would appreciate if all presenters can adhere strictly to this time limit.

➤ Equipment

A computer with an internet connection (wired connection recommended) for virtual mode participant
USB plug-in headset with a microphone (recommended for optimal audio quality) Webcam: built-in or USB plug-in

➤ Conference Awards

Certificate of participation will be given to each presenter at the end of each session by session chair.
Best presentation will be selected from each track. Winners will be announced during the closing ceremony.

Conference Overview

Day 2: February 8, 2024 Thursday

Mode	Physical					Virtual			
Venue	Auditorium	Venue-A CE Building	Venue-B CE Building	Venue-C CE Building	Venue-D CE Building	Venue-E CE Building	Venue-F CE Building	Venue-G CE Building	Venue-H CE Building
Room No.	Auditorium	Ext. 211	Ext. 213	Ext. 212	Ext. 214	CE 310	CE 309	CE 308	CE 307
09:00-10:20	Inaugural Ceremony	--	--	--	--	--	--	--	--
10:20-11:00	Refreshment	--	--	--	--	--	--	--	--
11:00-11:45	Keynote - I	--	--	--	--	--	--	--	--
11:45-12:30	Keynote - II	--	--	--	--	--	--	--	--
12:30-14:00	--	Prayer & Lunch							
14:00-16:00	--	A1	--	C1	D1	E1	F1	G1	--
16:00-16:30	--	Prayer & Tea							
16:30-18:00	--	A2	--	C2	D2	E2	F2	G2	--
18:00-18:20	--	Prayer & Refreshment							
18:20-20:10	--	A3	B3	C3	D3	E3	F3	G3	H
20:15	--	Supper							

Day 3: February 9, 2024 Friday

Mode	Physical				Virtual		
Venue	Venue-A CE Building	Venue-B CE Building	Venue-C CE Building	Venue-D CE Building	Venue-E CE Building	Venue-F CE Building	Venue-G CE Building
Room No.	Ext. 211	Ext. 213	Ext. 212	Ext. 214	CE 310	CE 309	CE 308
08:15-08:50	Complementary Snacks & Collection of Conference Kits						
09:00-10:30	A4	B4	C4	D4	E4	F4	G4
10:30-11:00		Keynote III		Keynote IV			
11:00-11:20	Tea Break						
11:20-13:00	A5	B5	C5	D5	E5	F5	G5
13:00-14:45	Friday Prayer & Lunch (13:45-14:45)						
14:45-15:15		Keynote V		Keynote VI			
15:15-16:15	A6	B6	C6	D6	E6	F6	G6
16:15-16:40	Prayer & Tea						
16:40-18:10	A7	B7	C7	D7	E7	F7	G7
18:10-19:00	Prayer						
19:00-22:00	Closing Ceremony & Conference Dinner						

Technical Sessions Schedule

Day 2: February 8, 2024 Thursday

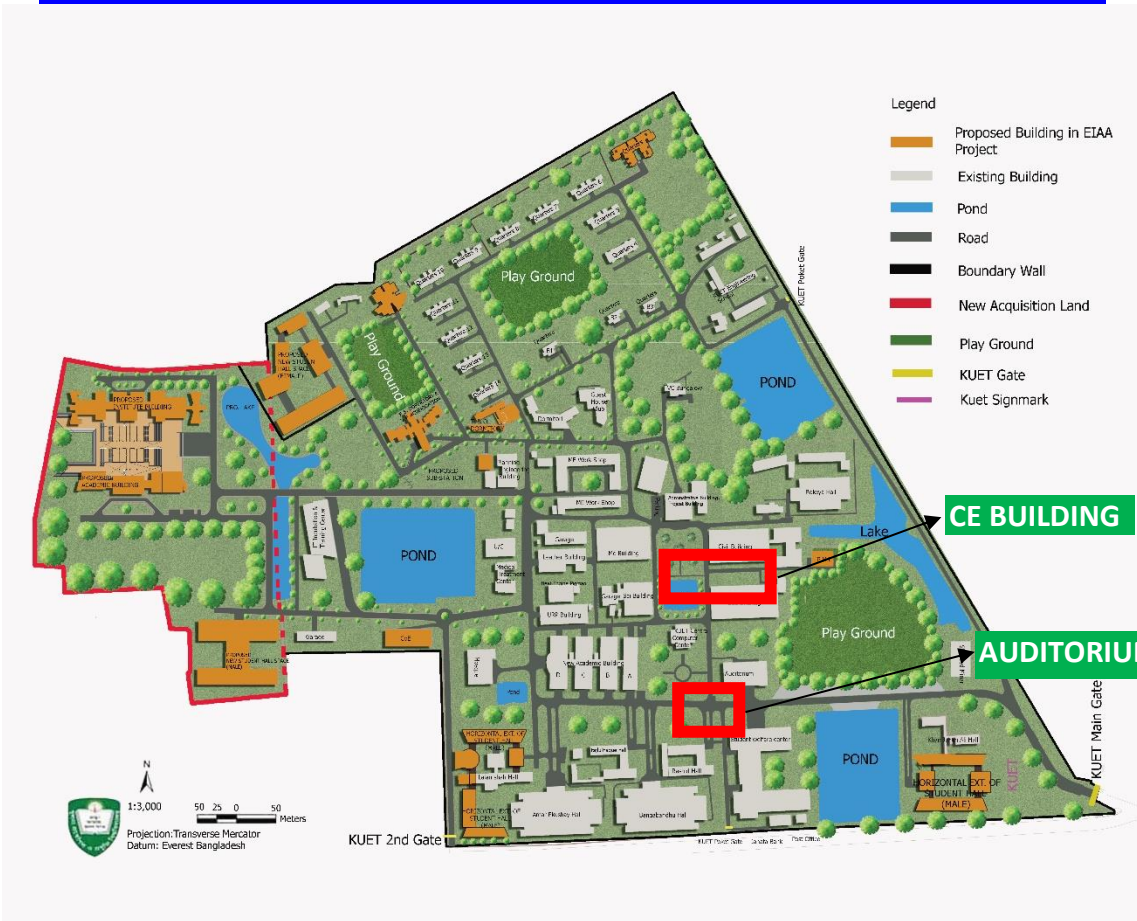
Mode	Physical Venue				Virtual Venue			
Venue	Venue -A CE Building	Venue -B CE Building	Venue -C CE Building	Venue - D CE Building	Venue -E CE Building	Venue -F CE Building	Venue -G CE Building	Venue -H CE Building
Room No.	Ext. 211	Ext. 213	Ext. 212	Ext. 214	CE 310	CE 309	CE 308	CE 307
Track	ENV-I	STE-I	TRE-I	WRE-I	WRE-II	STE-II	STE-III	--
14:00-16:00	16	17	50	20	124	57	53	--
	35	39	102	54	126	73	88	
	47	81	202	58	160	294	92	
	56	95	203	75	195	586	175	
	63	106	346	83	280	631	179	
	97	109	465	91	298	683	201	
	140	114	501	424	325	684	241	
	141	117	527	442	338	689	283	
	147	646	531	616	416	821	293	
	153	668	431	773	455	917	314	
548	888	408	827	541	1042	332		
		949	611	1074	634	1062	394	
Track	ENV-II	STE-IV	STE-V	WRE-III	ENV-III	TRE-II	GTE-I	--
16:30-18:00	155	191	27	87	198	55	18	--
	157	197	52	104	228	68	21	
	170	227	151	110	234	72	265	
	225	261	229	296	238	120	281	
	252	299	255	340	240	144	282	
	258	347	274	363	257	156	337	
	260	386	472	391	276	172	482	
	289	772	478	825	284	187	277	
	769		506		317	196		
Track	ENV-IV	STE-VI	GTE-II	ANRP	ENV-V	TRE-III	STE-VII	CE
18:20-20:10	350	121	67	76	324	199	395	218
	388	389	71	142	327	214	396	534
	407	405	135	316	342	220	438	701
	414	439	180	319	355	231	456	1036
	495	454	182	469	356	237	468	400
	509	460	264	538	361	243	573	302
	528	461	330	696	385	246	608	762
	556	470	413	703	493	287	658	714
	625	471	599	1047	539	303	723	918
	662	771	1063		560	304	781	
768	1071	1079		588	916	801		

Technical Sessions Schedule

Day 3: February 9, 2024 Friday

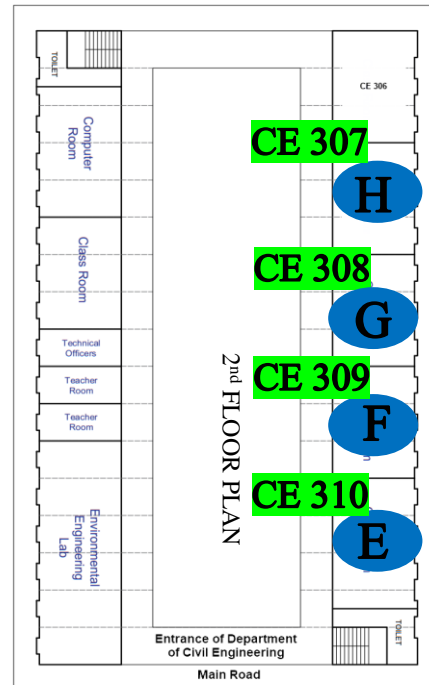
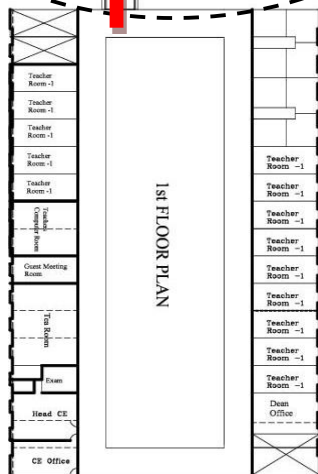
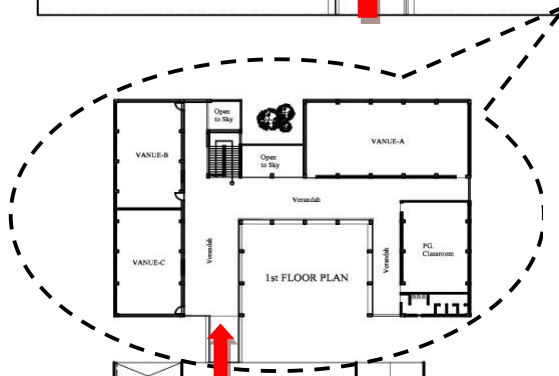
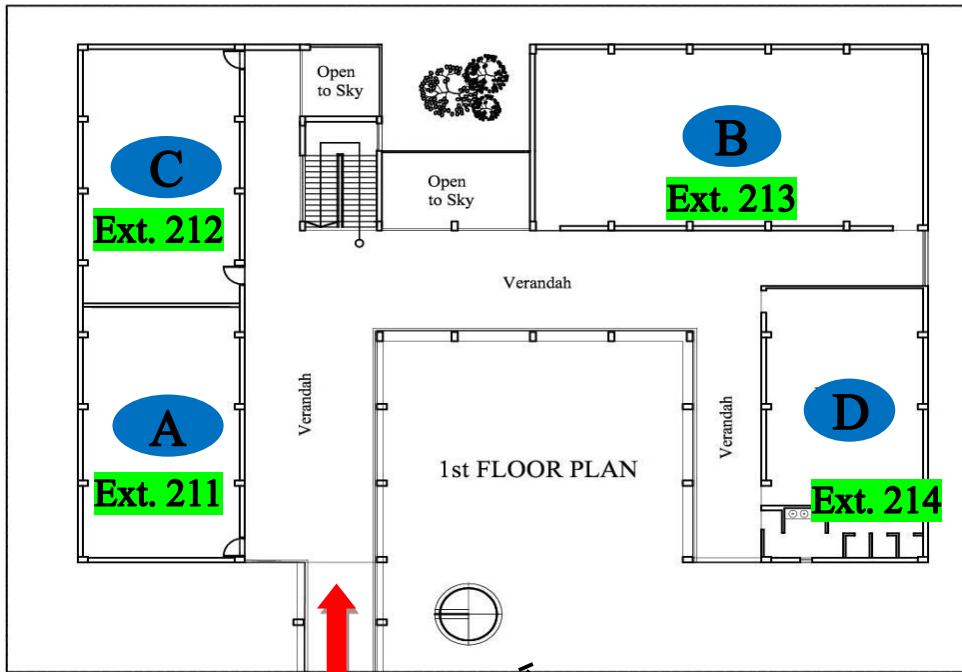
Mode	Physical Venue				Virtual Venue		
VANUE	Venue - A CE Building	Venue - B CE Building	Venue - C CE Building	Venue - D CE Building	Venue - E CE Building	Venue - F CE Building	Venue - G CE Building
Room No.	Ext. 211	Ext. 213	Ext. 212	Ext. 214	CE 310	CE 309	CE 308
Track	ENV-VI	STE-VIII	GTE-III	WRE-IV	ENV-VII	TRE- IV	GTE-IV
9:00-10:30	675	152	138	32	595	311	305
	717	505	526	65	626	326	492
	720	513	598	82	635	328	523
	733	518	601	508	644	343	596
	736	530	623	537	671	353	603
	742	575	656	638	692	380	666
	744	576	667	734	706	402	688
	746	835	730	807	710	446	861
	750		1073		759	1028	
Track	ENV-VIII	STE-IX	STE-X	TRE-V	WRE-V	TRE-VI	STE-XI
11:20-13:00	297	119	113	417	641	489	885
	532	290	475	448	650	566	894
	752	399	649	543	661	610	925
	774	589	735	559	713	642	932
	777	648	812	590	722	674	1043
	783	670	912	803	731	691	1055
	802	682	856	857	739	704	1078
	808	705	1006	966	799	712	
	810	764	1058	988	830	725	
	870	1075	1048	840	741		
Track	ENV-IX	STE-XII	WRE-VI	GIS, RS, AI	ENV-X	TRE-VII	WRE-VII
15:15-16:15	834	41	44	59	728	306	341
	836	878	139	678	763	797	851
	849	911	843	790	800	865	855
	877	927	847	819	828	887	910
	886	942	948	883	853	940	1021
	892	947		1015	863	1054	1066
				1037		1077	
Track	ENV-XI	STE-XIII	ADBSE	ENV-XII	ENV-XIII	ADBE	--
16:40-18:10	116	481	570	154	795	136	
	901	500	577	609	866	209	
	904	968	617	612	871	487	
	915	975	694	823	971	549	
	928	978	702	824	987	740	--
	929	1052	708	831	1065	587	
	936	1057	775	1046	1067		
1044	1068	787		1072			
				1076			

PHYSICAL VENUE (INAUGURAL CEREMONY)



Physical Venue of Inaugural Ceremony: **AUDITORIUM**
 Physical Venue of Technical Session(s): **CE BUILDING**
 Physical Venue of Closing Ceremony: **CE BUILDING**

PHYSICAL VENUE (TECHNICAL SESSIONS)



VIRTUAL VENUE (TECHNICAL SESSIONS)

VENUE	ROOM NO	ZOOM LINK
E	CE 310	Direct Link: https://bdren.zoom.us/j/93215417575?pwd=Z0NHaVNoQ0ZZaDgYaUVqYmk1RlZJdz09 ZOOM ID: 932 1541 7575 PASSCODE: 344889
F	CE 309	Direct Link: https://bdren.zoom.us/j/99282175235?pwd=RXFaNVhTYIN1SktWSXBQU01YNDZjQT09 ZOOM ID: 992 8217 5235 PASSCODE: 219519
G	CE 308	Direct Link: https://bdren.zoom.us/j/96285053900?pwd=aEhjc2ZXVHY4TVVsTVVrVUQwUElGQT09 ZOOM ID: 962 8505 3900 PASSCODE: 165612
H	CE 307	Direct Link: https://bdren.zoom.us/j/97020676714?pwd=UE9qMFBwU1dlQ2wxdEpoUE0vTVFOdz09 ZOOM ID: 970 2067 6714 PASSCODE: 678783

PROGRAM SCHEDULE OF KEYNOTE(S)

Keynote - I

February 8, 2024 Thursday

Time (GMT+6): 11:00 – 11.45

Keynote Topic:

“Climate Resilience in Rural Infrastructure”

Keynote Speaker:

Md. Ali Akhtar Hossain, Chief Engineer, LGED.

Md. Ali Akhtar Hossain completed his B.Sc in Civil Engineering from KUET, M.Sc in Environmental Management from Nottingham University (UK). Mr. Hossain joined the LGED in 1989 and served as Upazila Engineer, Executive Engineer and Project Director during his career of more than 34 years. He was awarded Gold Medal in 1995 and Best Project Award for Sustainable Rural Infrastructure Improvement Project from Asian Development Bank in 2014, 2015 and 2016. He has a vast professional experience: Fellow of Institution of Engineers Bangladesh (F/5802); Member of officers club, Dhaka (3598); Member of Alumni Association of University of Nottingham, UK; Member of Board of Trustee, KUET Alumni Association; Chief Advisor, International AIDS Foundation; President, Bangabandhu Prokoushali Parishad, LGED; Member, Padma Club Limited.



Venue:

Auditorium (KUET)

Keynote - II

February 8, 2024 Thursday

Time (GMT+6): 11:45-12:30

Keynote Topic:

“Utilization of Electric Arc Furnace Slag and Ladle Refining Furnace Slag in Cement and Concrete Production”

Keynote Speaker:

Prof. Dr. Raquib Ahsan, Professor, BUET, Bangladesh

Dr. Raquib Ahsan is a professor of Civil Engineering at the Bangladesh University of Engineering and Technology (BUET). He belongs to the Structural Engineering Division. He obtained B.Sc. and M.Sc. Engg. degrees from BUET in the years 1995 and 1997, respectively. He completed doctoral studies at Tokyo University in the year 2000. His fields of interest are structural dynamics, earthquake engineering, structural optimization, soil-structure interaction, structural retrofitting, etc. He conducted a large number of sponsored research. He has published over 80 book chapters, journal articles and conference articles. He is presently acting as a reviewer in multiple journals. He acted as the Coordinator of the Bangladesh National Building Code (BNBC) Updating project. The National Plan for Disaster Management (NPDM) 2021-2025 was drafted under his guidance. He is a member of the American Society of Civil Engineers (ASCE), American Concrete Institute (ACI), International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE), and Institution of Engineers, Bangladesh (IEB).



Venue:

Auditorium (KUET)

Keynote - III**February 9, 2024 Friday****Time (GMT+6): 10:30 – 11.00****Keynote Topic:**

“Intelligent Compaction as A Quality Control tool for Asphalt Pavement Construction”

Keynote Speaker:

Prof. Dr. Musharraf Zaman, University of Oklahoma, USA

Dr. Zaman is the Aaren Alexander Professor of Civil Engineering and Environmental Science and Alumni Chair Professor of Petroleum and Geological Engineering at the University of Oklahoma (OU). He has been serving as the Director of the Southern Plains Transportation Center – a consortium of eight universities in U.S. DOT Region 6 – for more than three years. He serves as the Editor-in-Chief of the International Journal of Geomechanics, ASCE and as the Executive Vice President of the International Association for Computer Methods and Advances in Geomechanics. He served as the Associate Dean for Research and Graduate Programs in OU College of Engineering for more than eight years. Dr. Zaman has more than 35 years of experience in the areas of pavement materials and systems, geotechnical engineering, and geomechanics. During his tenure published 172 journal and 224 peer reviewed conference proceedings papers and 12 book chapters.

**Venue- B**

Room-Ext. 213, Civil Engineering Building (Hybrid Mode)

Direct Zoom Link: <https://bdren.zoom.us/j/98882778822?pwd=SndsUXdlM2poNW40THVxT3hmZDNJUT09>

ZOOM ID: 988 8277 8822

PASSCODE: 0213

Keynote - IV**February 9, 2024 Friday****Time (GMT+6): 10:30-11:00****Keynote topic:**

“Integrated Water Resources Management for East Gopalganj using Eco-hydrological approaches to ensure sustainable development at district level”

Keynote Speaker:

Mr. Motaleb Hossain Sarker, Director, CEGIS.

Mr. Motaleb Hossain Sarker has been working in the field of water resources, climate change impacts, water supply & sanitation, agriculture water management, arsenic & water quality monitoring, and ecological monitoring for environmental management and planning for about 27 years. He has also worked as Director Ecology, Forestry, and Biodiversity division and Agricultural and Fisheries Division of CEGIS since 1998. He also working with WARPO for the last 25 years on different projects. He worked with different government and development agencies at national and international level such as DFID, UNDP, UNICEF, WFP, FAO, ADB, WB, ICIMOD, the European Union, the Norway Embassy, and the Netherlands Embassy. Mr. Sarker also worked on several milestone international collaborative projects with Bhutan, Nepal, Pakistan, India, Thailand, and Norway. He achieved the IFS (International Foundation of Science) Young Scientist Award in 2007 for conducting the study “Assessment of Dry Season Water Availability and Water Demand in Floodplain Beel Areas for sustainable agriculture and fisheries resources development applying geo-spatial technology”.

**Venue-D**

Room – Ext. 214, Civil Engineering Building (Physical Mode)

Keynote - V

February 9, 2024 Friday

Time (GMT+6): 14:45-15:15

Keynote Topic:

“Quality Control of Consolidation and Semi-rigid Ground Improvement Techniques”

Keynote Speaker:

Dr AHM Kamruzzaman, Principal Engineer Geotechnical, Transport for NSW, Australia

Dr. AHM Kamruzzaman (Zaman) is a Principal Geotechnical Engineer with Transport for NSW, Australia (formerly Roads and Traffic Authority), and a Fellow and Chartered Professional Engineer of Australia (FIEAust, CPEng). He holds a PhD degree from National University of Singapore (NUS), Meng from Asian Institute of Technology (AIT) and BSc Engg. from Khulna University of Engineering & Technology, Bangladesh (KUET). He has over 30 years of working experience in consulting, construction, public and research industries in the provision of providing expert geotechnical advice and the management of technical risk for over 30 multi-million/billion dollars infrastructure and tunneling projects in Australia, Singapore, Malaysia and Bangladesh (e.g. Rozelle Interchange, WestConnex, Sydney Metro City, Sydney Gateway, Grafton Bridge, Ballina Bypass, Hunter Expressway, Singapore LTA Circle line projects-C823, C824, C856; over 100 Bridges in Bangladesh).



Venue-B

Room – Ext. 213, Civil Engineering Building (Physical Mode)

Keynote - VI

February 9, 2024 Friday

Time (GMT+6): 14:45-15:15

Keynote Topic:

“A Review of the Solid Waste Management Rules 2021: Implementation Challenges and Way Forward”

Keynote Speaker:

Prof. Dr. Tanvir Ahmed, Professor, BUET, Bangladesh

Dr. Tanvir Ahmed received his bachelor’s and master’s degree in Civil Engineering from BUET and PhD from Massachusetts Institute of Technology (MIT), USA in 2011. He has been a faculty of BUET since 2003. His research interest broadly encompasses environmental modeling and health risk assessment of environmental contaminants and authored several papers in distinguished journals and conferences. He is involved in several national and international projects as a consultant and EIA specialist. Dr. Ahmed received Prime Minister’s Gold Medal in 1994, Malik Akram Hossain Gold Medal in 2003 and Maseeh Award for excellence in teaching from MIT in 2009. He is the author of the textbook “Environmental Sanitation, Wastewater Treatment and Disposal” published by the University Grants Commission. He is involved with the Department of Environment for drafting the “National Action Plan for Short-lived Climate Pollutants” and “Minamata Initial Assessment Report and Developing the National Mercury Profile”. He has been part of a World Bank expert team for conducting the ‘Bangladesh Country Environmental Analysis’.



Venue-D:

Room – Ext. 214, Civil Engineering Building (Physical Mode)

Technical Sessions Presentation Schedule

DAY-2: February 8, 2024 Thursday

Technical Session (Physical)	Track: Environmental Engineering-I (Venue - A: Room No. Ext. 211) Time: 8 Feb. 2024, 14:00-16:00		
	Session Chair: <i>Md. Ali Akhtar Hossain</i>		
Time	Paper ID	Paper Title	Author(s) Name
14.00-14.10	16	Dye Removal Efficacy of Adsorbent Derived from Tannery Liming Sludge	H. A. Jabeen, M. Muntasir, M. A. Hashem and S. F. Rahman
14.10-14.20	35	Prospect of Supplementary Irrigation with Ponds Water in Water Stressed Barind Tract	Md. N. Bari , Md. I. Hossain and Md. M. Hasan
14.20-14.30	47	Implementing Sustainable Practices in Wastewater Treatment and Material Waste Management in the Textile and Apparel Sector of Bangladesh	Md. Sahil Rafiq, Mohammad Shakhawat Hosen Apurba and Nadim Reza Khandaker
14.30-14.40	56	Investigation of Dye Adsorption on Thermally Activated Adsorbent Derived from Tamarindus Indica Leaves	Rimon Kumar Saha, Hridoy Paul, Md. Abul Hashem and Jannatul Hira
14.40-14.50	63	Constructed Wetlands: A Sustainable Solution for Treating Raw Water Using Recycled Concrete Waste Media to Achieve SDGs	Ishraque Bin Khalil , Md. Amin-Uzz-Zaman Madani and J. Nayeem Rahman
14.50-15.00	97	Assessment of the Effect of Change in Fluvial Morphology on the Land Surface Temperature of Rajshahi City	Md. Mohayminul Islam and Zahin Faizah
15.00-15.10	140	Removal Efficiency of Different Pollutants other than Ammonium in a Biological Nitrification Unit of a Water Treatment Plant: A Case Study	M. Serajuddin, M. A. I. Chowdhury, M. M. Haque and T. A. Khan
15.10-15.20	141	Microplastics as an Emerging Pollutant in Farmland Soil: An Impact Evaluation Study on Farmland Soil Properties and Toxic Metal Availability	M. S. Nice, B. N. Netema , M. A. Rayhan, K. R. Islam, M. S. Rahman, A. Munna, M. J. H. Khan, T. K. Chakraborty, S. Zaman and G. C. Ghosh
15.20-15.30	147	Elucidation of the Cause of Efflorescence on Clay-Fired Bricks in Bangladesh	I. R. Shams , M. M. Rahman, S. I. Raj and N. R. Khandaker
15.30-15.40	153	Optimizing pH Prediction in Water Treatment Plant Through a Hybrid PSO-SVM Approach with Empirical Mode Decomposition	S. Pal Shuvo, N. Sultana, M. M. Fuad Dip, S. Pal Shibazee and S. Sarker
15.40-15.50	548	Seasonal and Meteorological Influences on the Concentration of PM 2.5 at CAMS-3 in Dhaka City Using Decadal Data	Md. S. Chowdhury and Chowdhury A. Hossain

Technical Session (Physical)	Track: Structural Engineering-I (Venue - B: Room No. Ext. 213) Time: 8 Feb. 2024, 14:00-16:00		
	Session Chair: <i>Prof. Dr. Raquib Ahsan</i>		
Time	Paper ID	Paper Title	Author(s) Name
14.00-14.10	17	Mechanism of Degradation of Old Steel Structure in Substation Subjected to Corrosion and Hydrogen: A Review	Kamal Hosen , Xu Zhaodong and Huang Xinghui
14.10-14.20	39	Enhancement of Concrete Mechanical Strength Using Rice Husk Ash and Recycled Aggregates	M. S. N. A. Chayon, D. Chakraborty , J. B. Alam, S. M. S. Hossain and A. Aunim
14.20-14.30	81	Combined Effect of Fly Ash and Rice Husk Ash on Strength Development of Brick Aggregate Concrete	Md. Nazrul Islam , Mohammad Abu Hanif and Md. Saiful Islam
14.30-14.40	95	A Comparative Analysis of Design Provisions for Low-Rise and Mid-Rise RC Buildings in Moderate and High Seismic Zones and Wind-Prone Locations: A Study of BNBC 1993 and BNBC 2020	Arman Hossain Patwary, Abhishek Sarkar and Tanim Ahmad Mojumdar
14.40-14.50	106	Performance of Beam Column Joint Exposed to Elevated Temperature	Md. Asaduzzaman Naem , S. H. Shaikot and M. H. Rashid
14.50-15.00	109	Artificial Lightweight Aggregate Production from Rice Husk and Rice Husk Ash	Saifur Rahman Ruman , Abu Zakir Morshed and Abhishek Sarkar
15.00-15.10	114	Application of Fixed Wooden Plate with a Designed Opening in a Tuned Liquid Column Damper for Seismic Vibration Control of Building Structures	M. S. Rahman, M. T. Aziz , S. Kirtonia and M. Rahman
15.10-15.20	117	Attenuation of Earthquake Induced Vibration of Building Structure Using Floating Sand Filled Balls in Tuned Liquid Column Damper	M. S. Rahman, A. Barua , M. T. Aziz, S. Kirtonia and M. Rahman
15.20-15.30	646	Numerical Behavior of Composite Beam Under Mid Span Loading	Md. Khasro Miah and Md. Rakibul Hasan
15.30-15.40	668	Application of Visual Rating Method and Priority Setting for Detailed Evaluation of Existing RC Building in Bangladesh	M. S. Islam , AKM S. Rahman, M. Maeda and M. A. Alam
15.40-15.50	888	Exploring the Effects of Salinity on Concrete Based on Consolidation Method	M. U. Islam , M. Arifujjaman, M. P. Khadem, I. Saifullah, and M. A. Alam
15.50-16.00	949	Bamboo and Nylon Fiber Reinforcement: An Alternative Approach to Produce Infill Wall Panels	T. Islam , M. H. Rashid, M. M. Khatun and A. B. Shaheen

Technical Session (Physical)	Track: Transportation Engineering-I (Venue - C: Room No. Ext. 212) Time: 8 Feb. 2024, 14:00-16:00		
	Session Chair: <i>Dr. A.K.M. Anisur Rahman</i>		
Time	Paper ID	Paper Title	Author(s) Name
14.00-14.10	50	Modeling Dhaka-Khulna (N8) Expressway Safety Scenarios from Driver Perspectives	B. M. A. Nur, S. Shoulin, B. M. A. N. Shoron, M. R. H. Nishat and M. M. Rahman
14.10-14.20	102	Exploring Systems Level Risk Factors Through Accimap: Case Studies of Selected Pedestrian Accidents in Bangladesh	Shahnewaz Hasanat-E-Rabbi and Md. Shamsul Hoque
14.20-14.30	202	Analyzing Dhaka-Mawa Expressway Drivers Safety Perceptions Based on Self-Reported Accident History	B. M. A. Nur Shoron , B. M. A. Nur, Shayeda Shoulin and Al Mahmud Hossain Alif
14.30-14.40	203	Reporting Problems of Road Crashes: Unintentional or Intentional, Ignorance or Hiding, Mistake or Lying	S. M. Sohel Mahmud
14.40-14.50	346	A Case Study on a Major Fatal Crash at Bangabandhu Expressway: Fact Finding Investigation	M. A. Raihan , S. H. E. Rabbi, S. M. S. Mahmud, N. Haque, M. I. Uddin, M. M. A. Talukder, A. S. Huq and M. S. Hoque
14.50-15.00	465	Analysis of Traffic Characteristics on Bangabandhu Sheikh Mujibur Rahman Expressway	Anika Abida Chowdhury , Noman Hasan Fahim and Md. Mizanur Rahman
15.00-15.10	501	A Binary Logit Approach to Modeling Road Accidents in the Dhaka Metropolitan Area	B. M. A. Nur , S. Shoulin, M. M. Hasan, M. S. Hossain, B. M. A. N. Shoron and M. M. Rahman
15.10-15.20	527	Evaluation of the Quality of Harvested Rainwater from Different Rooftops: A Case Study from Southwest Coastal Region of Bangladesh	M. M. Billah , K. M. Alam, R. Ahmmed, M. M. M. Khan, S. Jahan and M. A. Y. Al Harun
15.20-15.30	531	Multipurpose Lamp-Post in Urban Planning and Design	Omar Sultan Hredoy , Fazla Alahi and Mahmudul Hasan
15.30-15.40	431	Study of Traffic Congestion in Barishal City	A. I. Hasan , N. Karmoker, H. Matubbar, S. Islam and M. M. A. Nahid
15.40-15.50	408	The Need for Higher Education in Transportation Safety: A Translational View to Advance Vision Zero	S. M. Sohel Mahmud, Nazmul Haque and Md Asif Raihan
15.50-16.00	611	Assessing the Effect of Various Categories of Filler of High Content on Hot Mix Asphalt Mixture	Saifa Summin Upoma, Mohei Menul Islam and Quazi Sazzad Hossain

Technical Session (Physical)	Track: Water Resource Engineering-I (Venue - D: Room No. Ext. 214) Time: 8 Feb. 2024, 14:00-16:00		
	Session Chair: <i>Prof. Dr. Md. Shahjahan Ali</i>		
Time	Paper ID	Paper Title	Author(s) Name
14.00-14.10	20	Assessment of the Accuracy of Satellite Precipitation Products with Ground Observed Stations in the North-East Region of Bangladesh	Omar Al Maimun , Md. Tofiquzzaman and Md. Shahabuddin
14.10-14.20	54	Water Use Patterns of Different Domestic Activities in Three Different Areas of Dhaka North City Corporation	M. M. Rahaman, A. Das , M. J. Hasan, and A. Fatema Utsha
14.20-14.30	58	Grading of Tube Well Water Depending on Physicochemical Parameters and Management Practices of Fresh Water in Kachua Upazila, Bagerhat: Indices Based Approach	Md. Shohel Khan , Md. Asraf Uddin, Mohammad Maruf Billah and Shehan Tawsif
14.30-14.40	75	Access to Drinking Water, Sanitation and Hygienic Facilities for Pedestrians in Dhaka South City Corporation: An Analysis	M. M. Rahaman, M. H. Tamim , A.Thahsin and Niaz Al Rakib
14.40-14.50	83	Analysis on Physical and Chemical Properties of Dredged Material in Pussur River of Bangladesh	Motiur Rahman , and Md. Shahjahan Ali
14.50-15.00	91	Enhanced Prediction of Rainfall Using a Hybrid Machine Learning Approach - A Case Study in Khulna, Bangladesh	S. P. Shuvo , M. S. Hossain, S. K. Adhikary, S. C. Mondol, and M. M. Rana
15.00-15.10	424	Experimental Investigation on the Hydrodynamic Performance of Submerged Porous Triangular Breakwater	Md. Ashraful Islam , Md. Bashirul Islam, Sajjad Ul Haque, and Omar Abir
15.10-15.20	442	Assessing Urban Waterlogging and Drainage Efficiency - A Case Study of Shahjalal Upashahar, Sylhet	K. M. Debnath Pulak, P. Protim Das, I. Jahan, M. Zahid Hassan and H. Nath
15.20-15.30	616	Exploring Stormwater Best Management Practices in Khulna City Corporation Using PCSWMM	F. K. Fahim , A. S. Lina, S. K. Adhikary, M. S. Hossain and M. G. Kibria
15.30-15.40	773	Techno-Economic Analysis of a Small-Scale Rainwater Harvesting System for Producing Drinking Water at KUET Campus	Rahul Chakrabarty and Kazi ABM Mohiuddin
15.40-15.50	827	Analyzing the Temporal Change of Water Bodies: A Case Analysis on Dhaka City Using Multi-Temporal Satellite Images	Md. Rayhan , Md. Mahin Mobarrat, Maiesha Nujhat, and Ronjan Kumar Paul
15.50-16.00	1074	Risk Assessment and Safety Issues at Construction Projects in Bangladesh: A Case Study from a Bridge Project	Mizanur Rahman , Md. Shahjahan Ali

Technical Session (Virtual)	Track: Water Resource Engineering-II (Venue - E: Room No. CE 310) Time: 8 Feb. 2024, 14:00-16:00		
	Zoom ID: 932 1541 7575		Passcode: 344889
Session Chair: <i>Prof. Dr. Sajal Kumar Adhikary</i>			
Time	Paper ID	Paper Title	Author(s) Name
14.00-14.10	124	Flow Analysis of the Halda River to Be Used as a Tool for the Reduction of Flood Damages	Shyamal Acharya, Shabiha Islam and Bijay Kumar Nath
14.10-14.20	126	Alternative Probability Distribution Functions for Drought Calculation Using the Standardized Precipitation Index	Md Fazzle Rabby and Sajal Kumar Adhikary
14.20-14.30	160	Challenges of the Water Crisis in Khulna City and Prospects for Achieving SDGS	M. H. Rahman , Z. R. Ashiq, M. Z. Salim, T M J. Bashar, A. I. B. Islam, M. Z. Rahman and A. Rahman
14.30-14.40	195	Regionalization of Flood Prone Areas in Bangladesh: A Stern Focus on Rajshahi, Natore, and Sirajganj District	Jakia Alam , Atiya Islam, Anutosh Das and Sumita Roy
14.40-14.50	280	Urban Storm Water Drainage Design and Capacity Analysis of Modina Market Area in Sylhet City Using Stomwater Management Model (SWMM)	G. M. Munna , M. M. Uddin, A. H. Nury, M. M. Hasan, M. Uddin, and J. Abedin
14.50-15.00	298	Evaluating the Impacts of Reducing the Retention Pond Area in Kallyanpur, Dhaka, Bangladesh	Md. Mahedi Bin Mostafa and Md. Sabbir Mostafa Khan
15.00-15.10	325	Assessing the Impacts of Land Use and Land Cover Changes on Land Surface Temperature in Rapidly Urbanizing Environments: A Case Study of Rajshahi City, Bangladesh	Aabeer Kumar Saha Aakash and Suchi Nandi Puja
15.10-15.20	338	Exploring Moisture Flux Availability Above the Sea for Atmospheric Water Generation	Afeefa Rahman and Siam Alam
15.20-15.30	416	Impact of Kaptai Reservoir Discharge on Fresh Water Flow Availability in Halda River	M. S. Rahman , I. A. Pervin, T. Chaki, M. S. Masud and SM M. Rahman
15.30-15.40	455	How Far Rain Barrel Can Reduce Urban Flooding: An Analysis of Urban Water Runoff Using SWMM	S. H. Shakif , M. N. Islam, S. H. Kobi, M. A. A. Masum, T. S. Tofa and M. T. Islam
15.40-15.50	541	Effects of Sea Level Rise in Chattogram City	M. I. S. Khan , I. U. Haque, S. Ghosh, A. Bhowmik and K. Refat
15.50-16.00	634	Geospatial Analysis of Flood and Drought Vulnerability in Rajshahi District: A Formal Regionalization and GIS Based Approach for Upazila-Level Assessment	Md. Tahatul Azid and Jakia Alam

Technical Session (Virtual)	Track: Structural Engineering-II (Venue - F: Room No. CE 309) Time: 8 Feb. 2024, 14:00-16:00 Zoom ID: 992 8217 5235 Passcode: 219519		
	Session Chair: Prof. Dr. Md. Moinul Islam		
Time	Paper ID	Paper Title	Author(s) Name
14.00-14.10	57	Optimizing Concrete Performance: Investigating Compressive Strength in Blended Fly Ash-Slag Mixtures with Different Water-To-Binder Ratios	Muhammad Mustafa and Md. Moinul Islam
14.10-14.20	73	Comparative Study on Various Types of Bracing Systems in High Rise Steel Structure Considering Constant Steel Plate Shear Wall as Dual System for Lateral Loads	Shofiuddin Rhidoy
14.20-14.30	294	Bond Behavior at Exterior Beam Column Joint of Low Strength Concrete Under Cyclic Loading	M. M. S. Ali, M. R. Hasan, S. T. Quadir , M. H. Palash, R. A. Rifat, and A.F.M. S. Amin
14.30-14.40	586	Artificial Intelligence-Based Approaches to Predict Concrete Compressive Strength	A. Kawsar , N. H. M. K. Serker and S. Afsana
14.40-14.50	631	Effects of Using Recycled Aggregate in Place of Coarse Aggregate and Sugarcane Bagasse Ash as a Partial Replacement for Cement in Concrete	J. Nesa, M.A.Sojib , A.B.Diba, U.H. Tuli, S.K.Rana, and S.M.J.Shahanur
14.50-15.00	683	Plastic Waste in Construction for Sustainable Development: A Comprehensive Review	S. H. Mahi, M. F. A. Nibir , T. A. Ridoy, S. Debnath and S. A. Siddiki
15.00-15.10	684	Advances and Innovations in Utilizing Steel Slag Aggregate for Sustainable Concrete Construction: A Comprehensive Review	S. H. Mahi, M. F. Sheik, T. A. Ridoy, N. Ahamed and N. Zaman
15.10-15.20	689	Study on Pervious Concrete for Mitigating Water Logging Problem from Our City	Sheikh Hayath Mahmud , Kazi Kaif, Md. Maruf Hasan
15.20-15.30	821	Sustainability of Construction Materials Used in Building Envelope: Bibliometric Analysis Using R-Tool 2002-2022	Parul Bhyan , Priya Tyagi, Bhavna Shrivastava, and Nand Kumar
15.30-15.40	917	Seismic Response Reduction Factor, Over-Strength Factor and Ductility of RC Buildings Using Nonlinear Pushover Analysis	Md. Noor Tushar , Tahsin Reza Hossain
15.40-15.50	1042	Applications of Engineered Bamboo Products in the Context of Bangladesh	M. A.U. Saadat , R.T. Nazmul, M. I. Kabir, and M. Ashraf
15.50-16.00	1062	Determination of Value Indicators for a Real Estate Property	N. B. Sonar , V. S. Pradhan

Technical Session (Virtual)	Track: Structural Engineering-III (Venue - G: Room No. CE 308) Time: 8 Feb. 2024, 14:00-16:00 Zoom ID: 962 8505 3900 Passcode: 165612		
	Session Chair: <i>Prof. Dr. Bipul Chandra Mondal</i>		
Time	Paper ID	Paper Title	Author(s) Name
14.00-14.10	53	Detecting Damage in Bridges Using Vehicle Induced Dynamic Response: A Time Series Analysis and Arima Modeling Approach	Mohammad Abid Hasan and Shohel Rana
14.10-14.20	88	Use of Garment Waste Fabrics Making Ecofriendly, Lightweight & Low-cost Bricks	Sheikh Hayath Mahmud , Kazi Kaif and Md. Jafar Imam
14.20-14.30	92	Evaluating Concrete Compressive Strength Using Non-Destructive Test Techniques	M. I. Hossain, M. S. Islam, M. Islam and M. M. Islam
14.30-14.40	175	Performance Evaluation of ECC-Concrete Composites Under Impact Loads Using Finite Element Analysis	M. M. Rezwana, F. Ahmed, C. Z. B. Zahid , F. Ahmed, T. Hasan, and S. Ali
14.40-14.50	179	Predicting and Comparing the Mechanical Properties of Diagonally Laminated Timber (DLT) Panel by Shear Analogy Approach	Iffat Haq and Shakil Ahmed
14.50-15.00	201	Modal Analysis of Tall Building with and Without Shear Wall	R. K. Sarkar , M. F. Alam, A. Dey, F. T. Zahura, A. K. Mim, F. Mahbub and H. A. Hussain
15.00-15.10	241	Seismic Response of Irregular RC Buildings with Cracked Section Properties	M. Z. Islam and M. A. A. Siddique
15.10-15.20	283	Bridging the Gap: BIM, Data Analytics, and Digital Twins in Construction Life Cycle Management	R. Hasan, A. A. Mijan, A. G. Partha, T. I. Rohan, B. M. S. Redwan and M. Hasan
15.20-15.30	293	A Review on Existing Shear Design Provisions for Steel Fiber Reinforced Concrete Beams	K. A. Ahsan , S. R. Islam, A. H. M. S. Sanjid, M. A. Rahman and S. H. R. Sagor
15.30-15.40	314	Addressing Mitigation of Climate Change Through Structural Material and Design	Md. Shakhawat Hossain and Md. Shakil Ahmed
15.40-15.50	332	Strengthening of Fire Damaged RC Column at Various Temperature Using Ferrocement Jacketing	M.S.I. Shohag , E.A. Nishat, S. Tabassum, M. Fahad and D. M. Ali
15.50-16.00	394	Construction Safety Practices in Bangladesh: An Overview	M. M. Haque, T. Islam, A. Bhuiyan , B. D. Nath, M.A. Rana and S. Hossain

Technical Session (Physical)	Track: Environmental Engineering-II (Venue - A: Room No. Ext. 211) Time: 8 Feb. 2024, 16:30-18:00		
	Session Chair: <i>Prof Dr. Md. Niamul Bari</i>		
Time	Paper ID	Paper Title	Author(s) Name
16.30-16.40	155	Assessing Waste Composition and Recycling Potential of Materials in the Waste Stream: A Case Study in a Ward in Khulna City	Md. Waliul Islam , S. M. Moniruzzaman and Md. Rafizul Islam
16.40-16.50	157	Medical Waste Generation and Management: A Descriptive Review	A. Al Mamun , S. K. Shoily and M.G. Toufik Ahmed
16.50-17.00	170	Assessment of the Impact of Sugermill Wastewater to the Nearby Canal and Groundwater	F. N. Tisha , M. A. Azad, M. A. Rahman, M. M. Rahman, M. S. Islam, M. M. Islam and M. T. Hasan
17.00-17.10	225	Waste to Energy Or Bio-Fertilizer Production: Municipal Solid Waste Characterization in Khulna City for Engineered Applications	S.M. R. E. Bashar, M. S. Rafiq, F. Fairoze, A. R. Das and N. R. Khandaker
17.10-17.20	252	Water Quality Evaluation Near Uttara EPZ Area, Nilphamari	Md. Asif All Azad and Md. Hafijur Rahman Sabbir
17.20-17.30	258	Classification of Recyclable Plastic Waste by Near-Infrared Spectrometer	M. E. H. Emon , Q. H. Bari, J. A. Saju, M. R. Islam and A. Sarkar
17.30-17.40	260	Assessment of Wash Condition of Tea Garden Workers of Alinagar and Shamshernagar Tea Estates of Moulvibazar District	Mushtaq Ahmed, Nawshin Haque, Rafiqul Islam Babul and Debashis Bosu
17.40-17.50	289	Enhancing Stormwater Drainage System with Permeable Pavement: A Sustainable Solution for Khulna City	Nadira Islam Nila and Barnaly Roy
17.50-18.00	769	Water from Air: Review and Practice	M. A. H. Nayan , Q. H. Bari, S. M. Islam and M. A. Hossan

Technical Session (Physical)	Track: Structural Engineering-IV (Venue - B: Room No. Ext. 213) Time: 8 Feb. 2024, 16:30-18:00		
	Session Chair: <i>Prof. Dr. G. M. Sadiqul Islam</i>		
Time	Paper ID	Paper Title	Author(s) Name
16.30-16.40	191	Performance of Ceramic Tiles Waste as a Partial Replacement of Brick Aggregate on Mechanical and Durability Properties of Concrete	S. Basak, M. A. K. Azad, M. R. Haque and M. M. Rahman
16.40-16.50	197	Advancing Women and Transgender in Construction Site: An Assessment of Attraction and Retention Factors	M. T. R. Rifat , M. M. Hossain, M. T. E. Tutul, M. Hasan and T. I. Meem
16.50-17.00	227	A Systematic Review on High and Low-Temperature Performance of Nanomodified Asphalt Binder Considering Short and Long-Term Aging	A. R. Zubaer, I. Islam , S. Tasnim, R. A. Chowdhury and S. Acharjee
17.00-17.10	261	Assess the Possibility of Using Recycled Glass and Ceramic for Preparing Architectural Mortar	M. Waliullah, P. Goswami , J. K. Rishad and M. M. Rahman
17.10-17.20	299	Investigation on Seismic Vibration Mitigation of a Building Structure with Rubber Strip Column Jacketing	M. S. Rahman, M. Mohiuddin and A. Barua
17.20-17.30	347	Bond Strength of Externally Bonded CFRP Shear Strips with Anchors	M. A. Alam, M. J. Islam and M. Ali
17.30-17.40	386	Structural Performance Evaluation of Diagrid Frame Under Earthquake Load as Per BNBC 2020 for Sylhet Region, Bangladesh	Amit Chakraborty and Naimul Islam
17.40-17.50	772	Improvement of Storm Water Drainage System in the Busiest Areas of Khulna City: Construction Process and Progress	M. A. Hossan , Q. H. Bari, S. M. Islam and M. A. H. Nayan

Technical Session (Physical)	Track: Structural Engineering-V (Venue - C: Room No. Ext. 212) Time: 8 Feb. 2024, 16:30-18:00		
	Session Chair: Prof. Dr. Monjur Hossain		
Time	Paper ID	Paper Title	Author(s) Name
16.30-16.40	27	A Comparative Study on a Multistoried Building Using Conventional Slab, Flat Slab with and Without Drop Panel	M. Ahamed , S. Saha, S. Talukder and F. N. Sourov
16.40-16.50	52	Nonlinear Compressive Behavior of Adjacent Cold Formed Steel Lipped Channel Sections	M. A. Basit, I. Ahmed and M. Anwar-Ussaadat
16.50-17.00	151	Strategic Formulation of Ultra-High Performance Concrete Emphasizing Compressive Strength Analysis and Sustainability Evaluation	S. D. Datta, M. A. Al Meyad, F. A. Bin Hoque, M. F. Hasan Anik, D. M. F. Sadik Shafi
17.00-17.10	229	Effect of Creating Large Opening in the Existing RC Building and It's Remedial Measure	A. Ishrak Anik, M. I. Haque, M. R. Alam and U. Kulsum
17.10-17.20	255	Performance of Ferrocement Slabs at Elevated Temperature	N. H. Ohe, M. H. Rashid and K. S. Shuvro
17.20-17.30	274	An Experimental Study on Flexural Strength Behavior of Lightweight Concrete Using ECC Layer	Wahid Billah, Mohammad Tarequl Alam and Foysal Ahmed
17.30-17.40	472	Artificial Stone for Roads with Environment Friendly Approach	J. A. Limon, A R M Kamruzzaman, R. Ahmed, M. A. I. Joynul and M. A. Ali
17.40-17.50	478	Sustainability Potential of Synthetic Fibre (Rope) Reinforced Concrete Beam	S Mahmud, M A Naeem, D Alam and F Mahmud
17.50-18.00	506	Manufacturing Sandcrete Blocks Using Different Aggregates: Effect on Mechanical Properties	S. Hossain , I. Hossain, I. A. Dipta, A. M. N. Rahman and M. A. Alam

Technical Session (Physical)	Track: Water Resource Engineering-III (Venue - D: Room No. Ext. 214) Time: 8 Feb. 2024, 16:30-18:00		
	Session Chair: <i>Prof. Dr. Md. Jahir Uddin</i>		
Time	Paper ID	Paper Title	Author(s) Name
16.30-16.40	87	Simulation of Water Logging Scenarios Using SWMM: A Case Study on Khulna City in Bangladesh	M. G. Kibria , M. S. Hossain, F. Kabir Fahim, S. Kumar Adhikary and H. Nath
16.40-16.50	104	A Deep Learning Approach Using Long Short-Term Memory Networks for Enhanced Prediction of Rainfall in the Northeastern Region of Bangladesh	Sujan Chandra Mondol , Sajal Kumar Adhikary, Hrithik Nath, and Shuvendu Pal Shuvo
16.50-17.00	110	Climate Change Impact on Future Precipitation and Temperature Changes in Northwest Region of Bangladesh - Comparison of HadCM3 and CanESM2 Models	Md. Masud Rana and Sajal Kumar Adhikary
17.00-17.10	296	Assessment of Bankline Shifting Pattern and Impact of Major Flood Events on Tetulia Riverbank Using Multi Temporal Satellite Image Analysis	N. N. Nasir , S. T. Tabassum, U. S. Lima, M. O. H. Biddut, S. I. Afridee and M. Maliha
17.10-17.20	340	Assessment of Groundwater in Rajshahi District 2022	S. Shahrear , M. Waliullah, F. Hasan and M. R. Hasan
17.20-17.30	363	Assessing the Hydro-Morphological Change Due to the Confliction of Old Brahmaputra and Dasani Rivers.	Abdullah Al Imran and Md. Jahir Uddin
17.30-17.40	391	Assessment of Agricultural Water and Environmental Flow Demand for Bangladesh	P. Chowdhury , A. Roy, N. Das and R. A. Mullick
17.40-17.50	825	Disaster Responsive Homestead in Coastal Areas for Effective Post Disaster Management: A Case of Dacope, Bangladesh	Arfa Morshed and Nowreen Islam

Technical Session (Virtual)	Track: Environmental Engineering-III (Venue - E: Room No. CE 310) Time: 8 Feb. 2024, 16:30-18:00 Zoom ID: 932 1541 7575 Passcode: 344889		
	Session Chair: <i>Prof. Dr. Md. Khalekuzzaman</i>		
Time	Paper ID	Paper Title	Author(s) Name
16.30-16.40	198	Assessing Suitability for Brick Field Industries in KDA Planning Area: A GIS-Based Analysis	Md. Hashibur Rahman and Md. Esraz-Ul-Zannat
16.40-16.50	228	The Sakhipur Faecal Sludge Treatment Plant (Co-Compost Plant): A Model for Sustainable Faecal Sludge Management in Bangladesh	M. A. Pavel, A. Ul Hosna, S. A. Trisha , H. O. Rashid, S. Upama and M. M. Hasan
16.50-17.00	234	Assessment of Surface Water Quality of Bangladesh Using Water Quality Indices (WQI) and Their Correlation with Socioeconomic Factors	Rafiuzzaman Khan , M. Mahmudul Haque, I. Ara Pervin and M. Ifthakharul Alam
17.00-17.10	238	A Study on Plastic Waste Management in Mirpur Area	Washilatun Nahar , J. Fardous Dola and Ayesha Akter
17.10-17.20	240	Application of Landslide Minimization Technique at the Rohingya Refugee Camp in Cox's Bazar, Bangladesh	T. R Rafi, M. M Razin , L. Gazi-Khan, H. Rashid, N. Nahar and S. E Haque
17.20-17.30	257	Environmental Consequences of Dumping Dead Batteries of "Instant Power Supply Unit (IPS)" on Surface Water: A Case Study on Khulna City	S. Tabassum, S. Tasnim, N. Islam, T. Nabila Islam and A. Dev
17.30-17.40	276	Evaluating Selected Heavy Metals in River Water & Sediments at Selected Canal Sites of River Karnaphuli	M. C. Bhumik , M. M. Hoque, R. S. Mozumder, M. M. Rahman and S. Kumar Pal
17.40-17.50	284	Carbon Mineralization: Transforming Construction & Demolition Waste Sustainability	A. G. Partha, R. Hasan, M. T. Islam, N. B. Mamun , A. A. Mijan and M. Hasan
17.50-18.00	317	Comprehensive Assessment of Secondary Transfer Stations in Rajshahi City Corporation	M. T. Ahmad , F.N. N. Karim, Afsana Mim, M. J. Naiem, N. J. Monica, M. H. Khatun and M. N. Bari

Technical Session (Virtual)	Track: Transportation Engineering-II (Venue - F: Room No. CE 309) Time: 8 Feb. 2024, 16:30-18:00 Zoom ID: 992 8217 5235 Passcode: 219519		
	Session Chair: <i>Engr Gopal Krishna Debnath</i>		
Time	Paper ID	Paper Title	Author(s) Name
16.30-16.40	55	A Critical Analysis and Investigative Assessment of the Influence of Ride-Sharing Services on the Transportation System in Dhaka	Farhan Fahad, Abdur Razzak Zubaer and Ikramul Islam
16.40-16.50	68	Adverse Weather Impact on Road Crashes: A Comparative Analysis Between Barishal and Khulna Division	Md. Fuad Hasan, S. M. Sohel Mahmud, Ayesha Akter and Faisal Mahmud Sakib
16.50-17.00	72	Determination of Trip Attraction Rates and Models for Hospitals in Dhaka City	M. M. Rashid, M. T. N. Ratul, M. Z. Suprova, M. M. I. Khan and A. A. Remo
17.00-17.10	120	Evaluating the Performance and Integration of Machine Learning and Discrete Choice Models Across Various Aspects of Transportation Planning	Afia Ibnat Subah and Tanjila Rashid Rhythy
17.10-17.20	144	Improvement of Subbase of Flexible Pavement Using Waste Asphalt Pavement Materials	N. C. Roy, T. Dewan, M. Roknuzzaman, M. S. Hossain and M. M. Meem
17.20-17.30	156	Analyzing Passenger's Satisfaction on Recently Launched Bus Services in Dhaka City Through Discrete Choice Model	A. C. Dey, M. S. R. Riyad, M. K. Devnath and S. Paul
17.30-17.40	172	Development and Implementation of Adaptive Cruise Control in Bangladesh Road Transportation Systems	A. Muhsee, B. Ahmed and S.A. Rafi
17.40-17.50	187	Road Work Zone Safety Problem and Associated Risk Factors in Bangladesh: An Augmented Analysis Integrating Crash and Observational Data	Md. Imran Uddin, S. M. Sohel Mahmud and Md Asif Raihan
17.50-18.00	196	Exploring Driver Pedestrian Interaction Using Alternative Severity Modelling Approach: A Case Study for Dhaka City	S. Malakar, Z. Hasan Prince, Raas Sarker Tomal, Asif Raihan and Md. Hadiuzzaman

Technical Session (Virtual)	Track: Geotechnical Engineering-I (Venue - G: Room No. CE 308) Time: 8 Feb. 2024, 16:30-18:00 Zoom ID: 962 8505 3900 Passcode: 165612		
	Session Chair: <i>Prof. Dr. Md. Rokonuzzaman</i>		
Time	Paper ID	Paper Title	Author(s) Name
16.30-16.40	18	Partial Replacement of Sand with Glass Waste for Geotechnical Applications	S. Islam , M. J. B. Alam, J. Islam, A. S. Chowdhury, N. Hasnat, M. T. A. Rafe and S. A. A. Jubair
16.40-16.50	21	A Study on Effect of Permeability and Water Table on Stability of Hill Slopes Under Rainfall Condition	Sangjukta Das , Utpal Kumar Das and Rimpi Bhuyan
16.50-17.00	265	Benefit from Liquefaction Remedial Measures	Swapan Kumar Bagui and Md. Joynul Abadin
17.00-17.10	281	A Comparative Study on Geotechnical Properties of Soil in Dhaka: A Case Study Using Different Methods	F. Shilla , I. K. Paul and M. R. I. Chowdhury
17.10-17.20	282	Effect of Groundwater Level Variation on the Behavior of Piled Raft in Clay Soil	Rajib Modak and Baleshwar Singh
17.20-17.30	337	Sustainable Solutions to Alleviate Water Seepage for Enhancing Slope Stability	P. Debnath , A. Y. Nondita, F. Abdullah and A. K. Shuvo
17.30-17.40	482	Impact Assessment of Soil and Direct Shear Test Parameters on the Shear Strength of Sand Using Artificial Intelligence	Rajashekar Hubballi , Surojit Das and Soumen Maji
17.40-17.50	277	Economic and Financial Analysis for Reinforced Soil Wall in Submerged Condition	Swapan Kumar Bagui and Md. Joynul Abadin

Technical Session (Physical)	Track: Environmental Engineering-IV (Venue - A: Room No. Ext. 211) Time: 8 Feb. 2024, 18:20-20:10		
	Session Chair: <i>Prof. Dr. Md. Saiful Islam</i>		
Time	Paper ID	Paper Title	Author(s) Name
18.20-18.30	350	Optimizing Sustainable Water Management: Study on In-Situ Recycling of Greywater	Punom Roy and S. M. Moniruzzaman
18.30-18.40	388	Development of a Simple Treatment System for Microplastic Pollution in Water Environment	Shishir Kairy , K. Mahbub Hassan and Ahmed Shakik
18.40-18.50	407	Urban Heat Island Evaluation: A Comprehensive Analysis of State-Of-The-Art Approaches in Dhaka City	Abdullah Al Shanto , Anas Bin Zobair, Bayazid Kabir Fahim and Tahia Rabbee
18.50-19.00	414	Exploring a Low-Cost Approach for Separating Bio-Crude from Hydrothermally Liquefied Faecal Sludge Without Solvent: A Sustainable Energy and Waste Management Approach	Tanjil Ahammed Robin , Md. Khalekuzzaman, Abhishek Sarkar and Maria Islam Rattray
19.00-19.10	495	Investigation and Expulsion of Micro-Plastic by Electrocoagulation from Dye-Finished Tannery Wastewater	Siddhartha Sardar , Santanu Sarker and Md. Elias Uddin
19.10-19.20	509	Soil Health and Metal Pollution Near Barapukuria Coal Mine	Md. Asif All Azad and Md. Hafijur Rahman Sabbir
19.20-19.30	528	Assessment of Water Quality in a Segment of Bhairab River Using a Combination of Water Quality Index and Pollution Index	Saumik Hasan Tanim , Md. Saiful Islam
19.30-19.40	556	A Review on the Role of Moringa Oleifera and Mahogany in Water Treatment in Bangladesh	N. Sharmin , Md. R. Karim and S. A. Mofiz
19.40-19.50	625	Advancing Sustainability: Introducing Reverse Vending Machines to University Campuses	Uday Karmoker and Tarunnyamoye Kundu
19.50-20.00	662	Sustainable Management of Construction and Demolition Waste to Promote Recycling in Resource-Constrained Bangladesh	M. S. Rafiq, N. R. Khandaker, M. S. H. Apurba , I. Ul Hossain and R. Sultana
20.00-20.10	768	Rooftop Rainwater Harvesting: Review and Practice	M. A. Hossan , Q. H. Bari, S. M. Islam and M. A. H. Nayan

Technical Session (Physical)	Track: Structural Engineering-VI (Venue - B: Room No. Ext. 213) Time: 8 Feb. 2024, 18:20-20:10		
	Session Chair: <i>Md. Ashraful Alam</i>		
Time	Paper ID	Paper Title	Author(s) Name
18.20-18.30	121	Sustainable Concrete Production: Exploring Surface Treatment Effects on Recycled Aggregates	F. Abdullah , M. I. H. Mehedi, M. S. Kabir and F. I. Sanil
18.30-18.40	389	Performance Evaluation of Prediction Model for Ferrocement Jacketed RC Column	M. Hassan , D. Sen, M. W. Islam, S. R. Chowdhury and M. A. Alam
18.40-18.50	405	Enhancing Physical and Mechanical Properties of Normal Concrete During Accidental Fire by Exerting Super Absorbent Polymer (SAP) in Concrete	Maruf Hossain Hredoy, Sk. Md. Kamal Uddin, Abhishek Sarkar and Md. Jaber Hossain
18.50-19.00	439	Burst Pressure Assessment of Corroded Pipelines Subjected to Permanent Ground Deformation	B.C. Mondal , R. J. Suki and T. J. Khan
19.00-19.10	454	Continuous Nanofibrous Yarn Preparation by Electrospinning for Sustainable Textile Material	Faisal S. Rahaman , Mubarak A. Khan, M. S. Jahan, Fairuz L. Oishi, and Abu S. Monshi
19.10-19.20	460	Behavior of Short Rectangular Concrete-Filled Stainless-Steel Tubular Column Subjected to Axial Load	N. Sultana, M. T. Hawlader and M. Begum
19.20-19.30	461	Effect of Jute Fiber Content on Compressive and Split Tensile Strength of Concrete Utilizing Stone Chips as Coarse Aggregates	T. Islam , F. Patowary, D. Sen and S. R. Chowdhury
19.30-19.40	470	Enhancing Flexural Strength of Pre-Cracked Reinforced Concrete Beams Through Ferrocement Retrofitting	S. M. M. Sakib, A. Z. Morshed, A. Sarkar , M. A. K. Nahid and M. S. Sharear
19.40-19.50	471	Mechanical Properties of Electric Arc Furnace Slag Incorporated Recycled Aggregate Concrete	Md. Shafiqur Rahman and Syed Ishtiaq Ahmad
19.50-20.00	771	Development of Different Roads in Busiest Area of Khulna City: Construction Process and Progress	M. A. H. Nayan , Q. H. Bari, S. M. Islam and M. A. Hossan
20.00-20.10	1071	Evaluating Performance of Steel Slag in Eco-Friendly Building Block	M. M. Hameem , G. M. S. Islam and I. Jahan

Technical Session (Physical)	Track: Geotechnical Engineering-II (Venue - C: Room No. Ext. 212) Time: 8 Feb. 2024, 18:20-20:10		
	Session Chair: Dr AHM Kamruzzaman		
Time	Paper ID	Paper Title	Author(s) Name
18.20-18.30	67	Deformation Behavior of a Circular Tunnel in Layered Soil Using FLAC 3D	M. M. Sazzad, M. M. Rahman and S. H. Joti
18.30-18.40	71	An Analytic Study on Estimating the Horizontal Coefficient of Consolidation Through CPTu Dissipation Test for Cohesive Soil in Dhaka	Marzia Ashraf , Md. Shamsul Islam and Ahasan Habib
18.40-18.50	135	Assessment of Liquefaction Potential Based on the Logistic Regression Machine Learning Algorithm	Md. Mahabub Rahman, Md. Belal Hossain, Abu Sayed and Sonu Thakur
18.50-19.00	180	An Experimental Study on the Particle Size Grading, Strength, and Deformation Characteristics of Railway Ballasts	Md Hamidur Rahman , Abu Yousuf Mohammad Shamim and Kimitoshi Hayano
19.00-19.10	182	Evaluation of the Fouling Conditions, Mechanism and Strength Characteristics of the Fouled Railway Ballast of Bangladesh: A Case Study	Md Hamidur Rahman and Kimitoshi Hayano
19.10-19.20	264	Effect of Compaction Energy on Clayey Soil Stabilized with Additives	M. H. A. Rashid , S. A. Mofiz, M. S. Rahaman, M. Z. Kabir and M. F. Mahmud
19.20-19.30	330	Rational Application of Analytical Solutions in the Estimation of Bearing Capacity	M. F. Mahmud, A. Chowdhury and M. A. Rahman
19.30-19.40	413	Collapse Potential Assessment of Organic and Clay Soil in the Khulna Region: Implications for Construction Stability	M. I. Rattray, Md. Humayun Kabir, Abhishek Sarkar and Tanjil Ahammed Robin
19.40-19.50	599	Applicability of the Existing Empirical Formulas in Determining the Axial Load Carrying Capacity of Single Piles in Bangladeshi Soils	S. Jahan , P. Saha, M. A. Alam, I. K. Paul and M. P. Khadem
19.50-20.00	1063	Different Theories to Predict the Bearing of Stone Columns Using Computer Program	Radhi M Alzubaidi and Jawad Al-Shreafe
20.00-20.10	1079	Jet Grouting Soft Ground Improvement Technique for Building Foundation- A Case Study, Dhaka, Bangladesh	Ali A. Hossain, AHM Kamruzzaman, Haque Sultana and Partho K. Sarkar

Technical Session (Physical)	Track: Air, Noise and Radiological Pollution (Venue - D: Room No. Ext. 214) Time: 8 Feb. 2024, 18:20-20:10		
	Session Chair: Prof. Dr. Kazi ABM Mohiuddin		
Time	Paper ID	Paper Title	Author(s) Name
18.20-18.30	76	Correlation Between Indoor Air Pollutants and Asthma: A Case Study in KUET	A. B. Shaheen , K. ABM Mohiuddin, R. Rahman, and T. Islam
18.30-18.40	142	Noise Pollution Monitoring and Noise Mapping at Rajshahi University, Bangladesh	M. A. Hasan , M. A. K. Azad, M. Kamruzzaman and M. Moniruzzaman
18.40-18.50	316	Simulation and Consequence Analysis of Toxic Gas Release	M. M. Hasan Anik , M. A. All Azad and M. Shahriyar Aziz
18.50-19.00	319	Spatiotemporal Analysis of Air Pollutants Based on Google Earth Engine (GEE) During and Post-Covid-19 in Dhaka, Bangladesh	M. A. Hossin , M. R. Islam, Z. Kader, M. T. Aziz and Nuruzzaman
19.00-19.10	469	A Baseline Study on Identifying and Characterizing Microplastics in Air and Rainwater of Dhaka City, Bangladesh	Sultana Jahan , Md Maheenur Mizan Khan and Md Abdullah Yousuf Al Harun
19.10-19.20	538	Radiological Consequence Assessment of a Hypothetical Accident at the Rooppur Nuclear Power Plant Using Hotspot Simulation Software	Abu Bakker Chiddiq , Md. Asif All Azad and Md. Rubel Miah
19.20-19.30	696	Identification of NO ₂ and SO ₂ Pollution, Trends and Sources in Bangladesh	M. M. Munia , F. Jion and A. R. M. Towfiqul Islam
19.30-19.40	703	Suggestive Modification to Reduce Noise Pollution and Socio-Economic Aspects of Shallow Engine Vehicles in Kushtia Area	Omar Ahsan Fahim, Quazi Hamidul Bari and H M Fairouz Adnan
19.40-19.50	1047	Dynamics of Air Quality and Selected Meteorological Parameters in Dhaka City Across Pre, During, and Post-Covid-19 Timespans	A. Biswash , M. H. J. Shahed, M. R. Mahim and M. M. Ahmmmed

Technical Session (Virtual)	Track: Environmental Engineering-V (Venue - E: Room No. CE 310) Time: 8 Feb. 2024, 18:20-20:10 Zoom ID: 932 1541 7575 Passcode: 344889		
	Session Chair: <i>Prof. Dr. Khondoker Mahbub Hassan</i>		
Time	Paper ID	Paper Title	Author(s) Name
18.20-18.30	324	Assessment of Water Footprint of the Steel Industry: Case of Bangladesh	Md. Ajjur Rahman and Md. Reaz Akter Mullick
18.30-18.40	327	Factors Affecting Sustainable Resource Management in Bangladesh	R. Afroz Rimi , A. Hossain Rafi and J. Sultana
18.40-18.50	342	Water Quality Assessment of Halda River at Various Depths	A. A. Remo , M. M. Rashid, B. Das and M. S. Hossan
18.50-19.00	355	Morphological Assessment of Sandwip Island Using GIS and Remote Sensing Technology	I. B. Khalil, M. A. Azad and M. Amin-Uzz-Zaman Madani
19.00-19.10	356	Sustainable Practices of Solid Waste Management of Dhaka North City Corporation	K.Tabassum , F. Tabassum and N. Majed
19.10-19.20	361	From Waste to Wealth: How Bangladesh Can Transform Its By-Products into Valuable Resources for a Circular Bio-Economy	S. M. F. Uddin , Md Raian Rahman and N. Majed
19.20-19.30	385	Assessment of Traffic Induced Noise in Dhaka Using an Artificial Neural Network Approach	S. A. Anjum , M. R. Meehan and A. B. M. Badruzzaman
19.30-19.40	493	A Spatiotemporal Evaluation of the Relationship Between Air Quality Index (AQI) and Urban Vegetation Cover (NDVI) in Dhaka City	Shafquat Rakin Shah Chowdhury , Nahin Ibnat and Mohammad Shafiul Azam
19.40-19.50	539	Vertical Distribution of Microplastics & Heavy Metals in Landfill Soil and Groundwater	S. Ghosh, M. I. S. Khan , S. K. Pal and M. R. Hasan
19.50-20.00	560	A Review of Circular Economy in Water Security and Sustainability: A Case Study of Bangladesh Textile and Garments Industry	Ahnaf Shahriyar and Shusama Arjumond
20.00-20.10	588	Performance Assessment of Different Types of Effluent Treatment Plant Processes	Ismat Ara Pervin and Md. Mahmudul Haque

Technical Session (Virtual)	Track: Transportation Engineering-III (Venue - F: Room No. CE 309) Time: 8 Feb. 2024, 18:20-20:10 Zoom ID: 992 8217 5235 Passcode: 219519		
	Session Chair: <i>Md Hamidur Rahman</i>		
Time	Paper ID	Paper Title	Author(s) Name
18.20-18.30	199	Strengthening Sub-Surface Layers of Flexible Pavement Utilizing Reclaimed Asphalt Pavement	A. Haque , S. K. Palit and Md. A. Khan
18.30-18.40	214	The Transportation Mode Choice and Carrier Selection Behavior of Rajshahi City Dwellers in Bangladesh	M. M. Islam, T. Taskin, A. S. Omi, M. T. Bin Ahasan and S. Goshami
18.40-18.50	220	Effects of Climate, Traffic Condition, Aggregate Size and Shape on Seal Coating	Abdul Awol Rabby, Md Rifat Hossain and Rahul Acharjee
18.50-19.00	231	A Systematic Review on Forecasting Passenger Flows of Multimodal Transportation System Integrating Metro	Afia Ibnat Subah , Sadia Tahsin Quadir, Tanjila Rashid Rhythy and Md. Asif Raihan
19.00-19.10	237	Analyzing Attitudinal Perceptions Towards Bicycle Commuting in Dhaka, Bangladesh	M. M. Islam, M. M. Rahman , J. M. E. H. Nur, Z. M. Juthi, N. H. Abdullah and F. Y Huda
19.10-19.20	243	Effect of Plastic-Coated Aggregate (PCA) on Marshall Characteristics of Asphalt Hot Mix	Md. Mohayminul Islam and Md. Emtious Hossain
19.20-19.30	246	Can Porous Pavement Be a Sustainable Solution for the Newly Extended Part of Dhaka in Terms of Solving Water Logging Issues and Groundwater Level Reclamation?	Md. Samin Yasar, Miah Mohammed Razin and Fahad Chowdhury
19.30-19.40	287	Some New Aspects of Motorcycle Crashes in Bangladesh	M. M. Hoque, M. T. Islam, E. Hossain , M. N. Hasan, M. A. H. Sifat and M. N. Islam
19.40-19.50	303	Exploration of the Effects of Heterogenous Vehicle Composition on Urban Arterial Traffic Flow Attributes	Ifratul Hoque , Adeeba Naz and M. Neaz Murshed
19.50-20.00	304	Potential of Recycled Materials as a Replacement of Conventional Aggregate for Base or Sub-Base Construction	Md. Mohayminul Islam and Md. Sakib Hasan
20.00-20.10	916	Pedestrian Usage Analysis of Five-Foot Over-Bridges in Dhaka City	U. T. Toma , J. Podder, R. Sultana, T. A. Ridoy and N. J. Shila

Technical Session (Virtual)	Track: Structural Engineering-VII (Venue - G: Room No. CE 308) Time: 8 Feb. 2024, 18:20-20:10 Zoom ID: 962 8505 3900 Passcode: 165612		
	Session Chair: <i>Prof. Dr. Muhammad Harunur Rashid</i>		
Time	Paper ID	Paper Title	Author(s) Name
18.20-18.30	395	Experimental Study on Compressive Strength of Concrete Containing Waste Tire Rubber and Brick Aggregates	Md Torikul Islam and Abu Zakir Morshed
18.30-18.40	396	VISWALK Microsimulation-Based Evacuation Modeling of a Critical Infrastructure: A Social Force Model Approach	Z. Fariha , I. Hoque, S. T. Quadir, M. Meherin, M. S. Khan, M. Tasnim, and A.F.M. S. Amin
18.40-18.50	438	Assessing the Concrete Compressive Strength Through Partial Replacement of Cement with Composite Waste (A Mixture of Waste Glass Powder and Sawdust Ash)	F. Fahad , M. I. Hossain, M. N. Alam, A. K. Roy and F. Bin Jaher
18.50-19.00	456	A Survey and Analytical Study of Earthquake Preparedness and Risk Reception in An Urban Area: The Case of Dhaka City, Bangladesh	M. Asaduzzaman , M. Z. Z. Sajib, S. Sharmin and M. Hasan.
19.00-19.10	468	Flap Effect on Flow Field Past Bluff Bridge Deck	Md. Naimul Haque and Md. Mahmudul Hasan Shiam
19.10-19.20	573	A Case Study on Piled-Raft Foundation Design in Bangladesh	M. N. Alam, A. Mukit , and A. M. Tanvir
19.20-19.30	608	Analyzing Short-Run and Long-Run Dynamics of Regional Economic Structure in the High Barind Track Region	Md. Tahatul Azid , Anutosh Das and Sumita Roy
19.30-19.40	658	Assessing the Properties of Self-Compacting Concrete Made with Recycled Aggregate	Failina Edib, Zarin Tasnim, N H M Kamrujjaman Serker and K.M. Redwanul Hasan Rana
19.40-19.50	723	Effective Placement of Multiple Tuned Mass Dampers in Irregular Shaped Reinforced Concrete Building	M. Haque, R.B. Shifat , A. Hasib and H.M.A. Mahzuz
19.50-20.00	781	Seismic Performance of Composite, RC and Steel Frame-A Comparative Study	T. I. Anika , A. I. Merun and M. Begum
20.00-20.10	801	Investigating the Performance of Recycled Coarse Aggregate Using Superplasticizer on the Mechanical Properties of Concrete	Eshita Akter and Rezaul Karim

Technical Session (Virtual)	Track: Civil Engineering (Venue - H: Room No. CE 307) Time: 8 Feb. 2024, 18:20-20:10 Zoom ID: 970 2067 6714 Passcode: 678783		
	Session Chair: <i>Dr. Milon Kanti Howlader</i>		
Time	Paper ID	Paper Title	Author(s) Name
18.20-18.30	218	Investigation on Structural Performance of Highrise RC Structure in Different Region of Bangladesh	M. A. Khaled, S. A. Rahman, M. B. Prince, S. R. Shafi and F. Faruk
18.30-18.40	534	Investigation on Structural Performance of Rooftop Gardening for Highrise Residential Buildings in Dhaka City	M. A. Khaled, S. M. S. Ahmed, A. M. Jihad, F. Faruk and M. M. Rahman
18.40-18.50	701	Comparative Analysis of Chemical and Natural Admixture in Concrete	Md. Imran Hasan Bappy
18.50-19.00	1036	Behavior of Single Cell Box Culvert Using Finite Element Method	Mithun Ray, Dr. Bashir Ahmed
19.00-19.10	400	Key Factors Affecting Mode Choice Decisions Between AC And Non-AC Bus Services in Dhaka-Comilla Route	K. D. Dip, N. Sakib, N. Tasnim and M. N. Murshed
19.10-19.20	302	Impact of Bridge Construction on Morphology of Major Rivers in Bangladesh	Md. Rubayat Alam Romel and M. Shahjahan Mondal
19.20-19.30	762	Regional Drought Monitoring and Analyzing Using Modis Data- A Case Study in Rangpur	S. Khatun, M. Murshida and M. Shihab Uddin
19.30-19.40	714	Impact of Urbanization on Urban Heat Island Intensity in Mymensingh, Bangladesh: A Study Using Landsat-8 Images on Google Earth Engine	Md. Istiak Hossain and Jahidul Islam
19.40-19.50	918	Performance Evaluation of Single and Combined Effects of Chemical Adsorbents for Optimum Removal of Heavy Metals from Groundwater	Anupam Chowdhury and Mumtahina Rahnuma

DAY-3: February 9, 2024 Friday

Technical Session (Physical)	Track: Environmental Engineering-VI (Venue - A: Room No. Ext. 211) Time: 9 Feb. 2024, 09:00-10:30		
	Session Chair: <i>Prof. Dr. Quazi Hamidul Bari</i>		
Time	Paper ID	Paper Title	Author(s) Name
09.00-09.10	675	Life Cycle Assessment of Municipal Solid Waste Management in Khulna City of Bangladesh	Pragga Paromita Paul , Quazi Hamidul Bari, Jobaer Ahmed Saju and Md. Rafizul Islam
09.10-09.20	717	Assessment of Drinking Water Quality in the Storage Containers of Different Restaurants Near KUET Campus	Pranto Karmakar , Quazi Hamidul Bari and SM Labib Redwan
09.20-09.30	720	Solid Waste Management Practices of Sylhet City	A. Chakraborty, R. R. Chowdhury, S. Talukder , M. B. Ahmed and M. M. Rahman
09.30-09.40	733	Microplastics in Riverbank Sediment from a Segment of the Bhairab River in Bangladesh: Occurrence, Characteristics and Risk Assessment	Md. Hasibul Hassan and Islam M. Rafizul
09.40-09.50	736	Design of a Nuisance-Free Waste Collection System for a Planned Residential Area in Khulna City	S.M.A. Abdullah , Md Saiful Islam, Q.H. Bari and Md Shofiqul Islam
09.50-10.00	742	A Sustainable Solid Waste Management Approach	M M Mamun Hasan and Md Zahid Hossain Khan
10.00-10.10	744	Novel Climate Impact Assessment Tool for Rural, Urban, and Water Infrastructure Development in Climate-Induced Coastal Areas– A Case Study	M. Z. H. Khan, A. A. Romero, A. Khaleque, M. Shafiullah, F. Lima and S. Chowdhury
10.10-10.20	746	A Case Study of An Educational Institution Investigating the Determinants of People’s Perception of Plastic Consumption	N T Nisha and I. M. Rafizul
10.20-10.30	750	Assessing the Efficacy of Training Program to Promote a Positive Occupational Health and Safety Culture Among Informal Workers at Open Dump Site in Khulna Using Inductive Thematic Analysis	S.I. Tasnova and I.M. Rafizul

Technical Session (Physical)	Track: Structural Engineering-VIII (Venue - B: Room No. Ext. 213) Time: 9 Feb. 2024, 09:00-10:30		
	Session Chair: <i>Prof. Dr. Md. Khasro Miah</i>		
Time	Paper ID	Paper Title	Author(s) Name
09.00-09.10	152	Structural Behavior of CFRP Retrofitting of Deficient Steel Tubular T-Joint Under Axial Loading	S. M. Z. Islam , K. M. R. H. Rana, F. A. Adittyta, I. U. Munna and M. G. Amin
09.10-09.20	505	Comparative Analysis of Models Created of Different Building Materials in Enclosure Fire Simulation	S. Sultana , M. J. Shahshuja, M. W. Ali and M. N. Rahman
09.20-09.30	513	Effect of Floating Columns on the Seismic Response of Infilled RC Buildings on Hills	Naorem, Z., Patel, M. and Haldar, P.
09.30-09.40	518	Enhancing Fire Safety of Concrete Structures: Assessing the Effectiveness of Super Absorbent Polymer (SAP) in Concrete in Delaying Structural Collapse in Fire Accidents	A. Sarkar , A. Z. Morshed, M. H. Hredoy, M. J. Hossain and A. H. Patwary
09.40-09.50	530	Preliminary Study on Green Cementitious Composites with Jute Fiber	Md. Atiqur Rahman and Md. Imran Kabir
09.50-10.00	575	Applicability of Various Waste Materials as Coarse Aggregate in Concrete Production: A Review	A Nath, S Sikder , H Rashid and S. M. A. Hoq
10.00-10.10	576	Valorization of Organic Waste into Bioplastic: A Prospect Analysis for Bangladesh	Rabeya Sultana , Md Musfike Meraz and Md. Riad Hossain
10.10-10.20	835	Evaluating Shared Toilet Conditions and User Perceptions in Informal Settlement Using Post-Occupancy Evaluation: A Case of Rupsha and Greenland Informal Settlement.	Farhana Yasmin , Fatama Siddique and Anirban Mostafa

Technical Session (Physical)	Track: Geotechnical Engineering-III (Venue - C: Room No. Ext. 212) Time: 9 Feb. 2024, 09:00-10:30		
	Session Chair: <i>Prof. Dr. Md. Abul Bashar</i>		
Time	Paper ID	Paper Title	Author(s) Name
09.00-09.10	138	Development of Regression Equations for the California Bearing Ratio of Cohesionless Soil	M. M. Rahman, M. Roknuzzaman, J. Muntaha, A. Ray and M. N. Azad
09.10-09.20	526	Evaluate the Shear Strength Properties and Interfacial Friction of Geogrid Reinforced Soils by Numerical Approach	Syed Abdul Mofiz and Nowrose Sharmin
09.20-09.30	598	Solidification of Loose Sand Using Rice Husk Ash (RHA) Based Geopolymer	M. Rahman , P. Saha, M. Hasan, S. Islam, I. K. Paul and M. P. Khadem
09.30-09.40	601	Assessment of Distressed Railway Embankment in Bangladesh	M. H. Rahman, R. H. Titu and M. Sadiq
09.40-09.50	623	Compressive Load Capacity of Bored Piles Based on Field Tests Compared to Theoretical and Empirical Methods	Anika Nawer Meem and Md. Ferdous Alam
09.50-10.00	656	Settlement and Stress Characteristics of Improved Soil by Sand Compaction Pile	Rashaduzzaman Pulok and Md Shajib Ullah
10.00-10.10	667	A Numerical Study on the Response of Soft Soils Amended by Prefabricated Vertical Drain	M. Ullah, A. R. Joy, O. C. Debanath and M. A. Rahman
10.10-10.20	730	Enhancing Engineering Properties of Sandy Soil with Cement Kiln Dust: A Sustainable Approach for Construction Industry	Jhumana Akter, Nusrat Jahan Nijum and Md. Nymul Hasan Emon
10.20-10.30	1073	Impact of Repeated Loading on the Secondary Compression Index of Alluvial Clay Soil in Khulna Region	Md Asif Hosnain and Md. Rokonuzzaman

Technical Session (Physical)	Track: Water Resource Engineering-IV (Venue - D: Room No. Ext. 214) Time: 9 Feb. 2024, 09:00-10:30		
	Session Chair: <i>Prof. Dr. Reaz Akter Mullick</i>		
Time	Paper ID	Paper Title	Author(s) Name
09.00-09.10	32	Hydrological Investigation on Aquifer System at Union Level of Rajshahi District, Bangladesh	M. Aminul Haque and Md. Jahid Hossain
09.10-09.20	65	Spatial Assessment of Agricultural Water Footprint in Dhaka Division of Bangladesh	A. Sultana Lina, S. Kumar Adhikary, and Hrithik Nath
09.20-09.30	82	Morphological Changes at the Estuary of Pussur-Sibsa River System and Its Response to Dredging	Motiur Rahman, Md. Shahjahan Ali, and Shuvashis Sen Shuva
09.30-09.40	508	Evaluating User Satisfaction and the Impact of An Application-Based Solution on Enhancing Water Service Accessibility and Accountability: A Case Study of the Iservice App in Satkhira Municipality, Bangladesh	Md. Shamim, Aminul Islam Sohan Md. Rajwanul Haque and Uttam Kumar Saha
09.40-09.50	537	Analyzing Dredging Quantities for Sustainable Waterway Management: A Case Study of MAWA to ARICHA Route	F. Binte Firoz, M. Shihab Sumon and G. Kumar Saha
09.50-10.00	638	Understanding the Bank Erosion-Accretion of Padma River Multi-Temporal Satellite Images Using GIS and RS Approach	Md.Emran Ali Mondal, A.A Imran and Md. Jahir Uddin
10.00-10.10	734	Morphometric Analysis of Drainage Basin at and Around Sylhet City: A Remote Sensing & GIS Based Approach.	Emruz Arafat, Sohana Alam Promi and Sajedul Kabir
10.10-10.20	807	Climate Induced Migration: A Case Study in Khulna City	Khondoker Mahmud Parvez and S. M. Moniruzzaman

Technical Session (Virtual)	Track: Environmental Engineering-VII (Venue - E: Room No. CE 310) Time: 9 Feb. 2024, 09:00-10:30 Zoom ID: 932 1541 7575 Passcode: 344889		
	Session Chair: <i>Prof. Dr. Md. Rafizul Islam</i>		
Time	Paper ID	Paper Title	Author(s) Name
09.00-09.10	595	Existing Water Quality Scenario of Mirpur Water Supply and Distribution Network, North Dhaka City Corporation, Bangladesh	Rumman Mawla Chowdhury , Adib Ashhab Ankon and Jahidul Alam
09.10-09.20	626	Municipal Solid Waste Management and Potential Energy Generation from Mymensingh City Corporation in Bangladesh.	A.K.M. Jarif Hossain , Md Golam Morshed, Md. Sakib Hasan Khan and Tahia Rabbee
09.20-09.30	635	Characterization of Surface Water for Managed Aquifer Recharge in the Water-Stressed Barind Tract of Bangladesh	Md. Iquebal Hossain and Md. Niamul Bari
09.30-09.40	644	Review of Biofuel Production from Food Waste: A Promising Approach to a Sustainable Future	Ahsan Habib and Abu Bakker Chiddiq
09.40-09.50	671	A Comparative Analysis Between Historical Rainfall Data-Based Prediction and Fine Particulate Matter-Based Rainfall Prediction for Bangladesh	Arnab Naha Ushna, Ishfaq Ahmad Chakladar , Durjoy Datta Mazumder and Ahmed Imtiaz Zamee
09.50-10.00	692	GIS-Based Suitability Analysis for Potential Locations of Parks in Mirpur Area of Dhaka, Bangladesh	Asif Raihan , Munira Almulla and Tarig Ali
10.00-10.10	706	Assessing the Socio-Economic Implications of Climate Change on Betel Leaf Cultivation in Mohanpur Upazila, Rajshahi	Sandip Mandal Joy and Md. Tahatul Azid
10.10-10.20	710	Hindrances in Constructing Green Buildings in Bangladesh: A Comprehensive Study	Md. Abdullah Al-Fahim and Sifat Shahrir
10.20-10.30	759	Employing the Generalized Lasso Model to Evaluate Key Determinants of Livelihood Vulnerability in the Southwestern Coastal Bangladesh	Anjum Tasnuva and Quazi Hamidul Bari

Technical Session (Virtual)	Track: Transportation Engineering-IV (Venue - F: Room No. CE 309) Time: 9 Feb. 2024, 09:00-10:30 Zoom ID: 992 8217 5235 Passcode: 219519		
	Session Chair: <i>Dr. Mursheda Rahman</i>		
Time	Paper ID	Paper Title	Author(s) Name
09.00-09.10	311	Sustainable Transport Index Assessment of Rajshahi – Kushtia Highway in Bangladesh	Md. Saneul Alam Shiam , Md. Shah Jalal Misuk
09.10-09.20	326	Machine Learning Approach in Calibrating Vissim Microsimulation Model for Mixed Traffic Conditions	I. Hoque, T. Nath Ananda , P. Anowar, A. Naz and M. Neaz Murshed
09.20-09.30	328	Data Collection Technologies and Their Utilization in Intelligent Transportation Systems: An Overview	Adeeba Naz and Ifratul Hoque
09.30-09.40	343	A Study on Waterbus Services Using Passenger Preferences Data and the Way Forward	K. T. Rahman , N. T. Shristi, S. M. F. Shahriar and M. M. Rahman
09.40-09.50	353	Passengers' Perception of Waterway Safety: A Bayesian Belief Network Approach in the Dhaka-Barishal Route	Tanzim Rashid, Hasan A Banna, Md Wazkuruni , Niaz Ahmed and Shakil M Rifaat
09.50-10.00	380	Investigating Older Pedestrian Fatal Crash Characteristics in the United States	A Hossain, N J Monica , M T Ahmad and F N Choya
10.00-10.10	402	Disability- Inclusive Emergency Evacuation Planning for Dhaka Metro Stations	M. S. Khan , M. Mehrin, M. Tasnim and A.F.M. S. Amin
10.10-10.20	446	Application of Smart Traffic Management Within Chattogram Metropolitan City	M. T. Alam, M. Shamim, F. Sahriera and D. D. Debu
10.20-10.30	1028	Exploring the Impact of Covid-19 on Public Transportation Ridership in Dhaka, Bangladesh	M. Masum, F. I. Pantha , M. H. M. Zahid and F. Rahman

Technical Session (Virtual)	Track: Geotechnical Engineering-IV (Venue - G: Room No. CE 308) Time: 9 Feb. 2024, 09:00-10:30 Zoom ID: 962 8505 3900 Passcode: 165612		
	Session Chair: <i>Prof. Dr. Md Aftabur Rahman</i>		
Time	Paper ID	Paper Title	Author(s) Name
09.00-09.10	305	Consideration of Soil-Structure Interaction During Structural Analysis	Asaduzzaman and Souptik Barman Tirtha
09.10-09.20	492	Analysis of Soil Bearing Capacity Providing Macadam Layer Under Spread Footing Using PLAXIS 3D	M. T. Hasan, H. D. Mahin, D. Deb and B. P. Shuvo
09.20-09.30	523	Effect of Induced Lateral Displacement on Vertically Loaded Large Piled-Raft Response in Sandy Soil	Banchiva K. Marak and Baleshwar Singh
09.30-09.40	596	Sand-Geopolymer Mixture on Strength Development of Soft Soils: An Experimental Investigation	Md. Al Mamun, Md. Rakibul Hassan, Most. Mukta Banu and Md. Aftabur Rahman
09.40-09.50	603	The Role of Granular Materials on the Strength of Granular Piles for Soft Ground Improvement	M. S. Hossain , M. Shahiduzzaman and P. C. Ghosh
09.50-10.00	666	Prediction of Bearing Capacity of Pile Using Support Vector and Catboost Regression	M. M. H. Galib, M. M. Billah and S. A. Mofiz
10.00-10.10	688	Numerical Analysis of Pile-To-Pile Cap Connection of Precast Pile and Cast-In-Place Pile	MD Tanvir Ahmad , Somen Saha and Md. Abdul Alim
10.10-10.20	861	Ground Subsurface Characterization Using Electrical Resistivity and Cone Resistance Value in Geotechnical Investigation	Nurhasanah , A. B. Muhiddin, A. R. Djamaluddin and M. Niswar

Technical Session (Physical)	Track: Environmental Engineering-VIII (Venue - A: Room No. Ext. 211) Time: 9 Feb. 2024, 11:20-13:00		
	Session Chair: <i>Prof. Dr. Md. Rezaul Karim</i>		
Time	Paper ID	Paper Title	Author(s) Name
11.20-11.30	297	Baseline Assessment of Heavy Metal Contamination and Ecological Risk of Coastal Top-Soil in Dakshin Bedkashi Union Under Koyra Upazila Bangladesh	R. Sultana, M. M. Meraz , M. Ahmmed, M. R. Hossain, M A. Maksud, S. R. Khan, M. N. E. Alam and T. R. Choudhury
11.30-11.40	532	Feasibility Study of Solar Desalination Device to Solve Drinking Water Salinity of Coastal Bangladesh	S. R. Sheonty, F. B. Firoz , A. Hossain, M. Tahmid and S. K. Rudro
11.40-11.50	752	Cross-Border Comparison of Waste Management Practice: A Study of Foreign Ships and Local Vessels at Mongla Port Area	S. Roksana , Q.H. Bari, I.M. Rafizul, M. Hossain, E. Kraft, T. Haupt and M. Rahaman
11.50-12.00	774	Assessing the Salinity Intrusion Effect of Rivers and Coastal Area of Bangladesh Using Static and Dynamic Water Salinity Data of Various Locations	Mohammad Tareq Hasan , Nafisa Tabassum and Muhammad Monirul Islam
12.00-12.10	777	Exploring Microplastics in Waste Deposits: Detection, Development, and Health Impacts: A Review	Sourov Saha and Atonu Saha
12.10-12.20	783	Evaluation for Upgradation of Khulna and Ishwardi Railway Stations Considering Water and Energy Efficiency	Md. Emran Hossain and Quazi Hamidul Bari
12.20-12.30	802	Assessment of Water Quality Index (WQI) in Different Locations of Bangladesh Using Groundwater Quality Parameters	Farzana Akter Eti , Eimtiaz Ibne Easin and Maisha Maliyat Aronna
12.30-12.40	808	Characterization of Dye Industry Wastewater: A Case Study in Mymensingh	Sumaiya Binte Zaman and S. M. Moniruzzaman
12.40-12.50	810	Hydro-Chemical Characteristics and Quality Assessment of Surface and Ground Water Quality in the First Part of the Eastern Surma-Kushiyara Floodplain Basin for Drinking and Irrigation Utilities	Saiful Alam, Md. Tanbir Ahmed, Md Sabbir Hossain, Khalidur Rahman , Dipta Maitra Tarun, and Tajmunnaher

Technical Session (Physical)	Track: Structural Engineering-IX (Venue - B: Room No. Ext. 213) Time: 9 Feb. 2024, 11:20-13:00		
	Session Chair: <i>Dr. S.M. Parvez Mohit</i>		
Time	Paper ID	Paper Title	Author(s) Name
11.20-11.30	119	Size Optimization of Three-Dimensional Truss Structures using Particle Swarm Optimization (PSO) Algorithm	Faisal Ahmed and Jannatul Akum
11.30-11.40	290	Experimental Investigation on Pre-Crack RC Short Column Retrofitted by CFRP Under Eccentric Loading	S. M. Z. Islam , T. Rahman, M. M. Hasan, S. Das, R. Akter and M. M. Mia
11.40-11.50	399	Enhancing Self-Healing Ability of Cementitious Materials Through Super Absorbent Polymers (SAPs)	M. A. Akbari, A. Z. Morshed, M. S. R. Ruman, A. Sarkar and M. S. Sharear
11.50-12.00	589	Effective Method of Externally Bonded Steel Plate for Shear Strengthening of Low Strength Concrete Structural Member	Md Ashraful Alam, Md. Shahidullah and Md. Mehedi Hasan Polash
12.00-12.10	648	Effect of Width-Thickness Ratios on the Axial Capacity of Steel Tubular Column Filled with Recycled Brick Aggregate Concrete	Shams-E-Imrekha Khanam , Md. Khasro Miah and A. K. M. Ruhul Amin
12.10-12.20	670	Evaluating the Mechanical Properties of Concrete by Utilizing Waste Diaper Polymer	Yeasir Arafat Mim , Susmita Samonta, Md. Tarif Aziz and Md. Abul Hasan
12.20-12.30	682	Numerical Investigation of Fire Growth Behavior of Khulna Newmarket Using Fire Dynamic Simulator	M. Zubayer , M. R. E. Nur Saif and M. I. Inam
12.30-12.40	705	A Review of Compressed Stabilized Earth Block as a Sustainable Building Material for Low-Cost House Setting in Bangladesh	A. I. Anik , U. H. Mozumder, M. M. Islam, M. S. Islam, M. I. Haque and M. D. Hossain
12.40-12.50	764	Compressive Strength Prediction of High Strength Graphene Reinforced Concrete Using Machine Learning	R. Aayaz , M. H. R. Sobuz, S. M. Akhter and J. A. Jabin
12.50-13.00	870	Behavior of Steel Wire Mesh Reinforced Concrete Subjected to Uniaxial Compression Load	A. K. Fahim , M. T. Hasan and M. A. Hasan

Technical Session (Physical)	Track: Structural Engineering-X (Venue - C: Room No. Ext. 212) Time: 9 Feb. 2024, 11:20-13:00		
	Session Chair: <i>Prof. Dr. Md. Robiul Awall</i>		
Time	Paper ID	Paper Title	Author(s) Name
11.20-11.30	113	Evaluating the Properties of Mussel Sea Shell Lightweight Foam Concrete: Emphasizing Sustainability and Waste Reduction	Shuvo Dip Datta, Aswad Siddiqua Nirjona , Md. Rafi Azam and Md. Shakib Shah
11.30-11.40	475	Optimal RC Building Heights in Different Regions of Bangladesh to Mitigate Wind Load Impact According to BNBC 2020	M. S. Sharear, M. M. Molla, A. Sarkar and S. M. M. Sakib
11.40-11.50	649	Study on the Effect of Salinity Over Building Materials in the Coastal Belt of Bangladesh	M.. Z. H. Khan, J. Ahmed, S. Chowdhury, M. Irin and S. A. Islam
11.50-12.00	735	Delay in Completion of the Construction Projects in Bangladesh - A Likert Scale Analysis for Identifying the Obstacles Based on the Relative Importance Index	Md Shamshed Tibriz, Md. Shariful Islam
12.00-12.10	812	Development of Sustainable Geopolymer Concrete Using GGBS, Fly Ash, and Recycled Aggregates to Reduce Environmental Impact	M. H. Islam, S. Ahamed , M. B. Islam, M. N. Hossain, and F. Rafiq
12.10-12.20	856	Machine Learning Based Prediction for Compressive Strength of Hybrid Fiber-Reinforced Concrete	L. Biswas , M. H. Rahman Sobuz and S. M. Akhter
12.20-12.30	912	BIM in Bangladesh's Education System and Construction Industry: Adaptability and Benefits in a Developing Country Context	A. A. Shanto , A. F. Ananta, M. Rahman and K. A. Manjur
12.30-12.40	1006	A Study on the Strength Properties of Concrete Using Coconut Shell as Partial Replacement of Coarse Aggregate	F. Ahmed , P. Ahmed, R. Ahmed, M. R. Mahdi and M. S. Islam
12.30-12.50	1058	Nonlinear Time-History Analysis for Rigorous Performance Evaluation of Steel Structure in Substation	Kamal Hosen , Xu Zhaodong and Huang Xinghuai
12.50-13.00	1075	Mechanical Performance of Rubber Concrete: Experimental Investigation	Firoz Mahmud and Muhammad Harunur Rashid

Technical Session (Physical)	Track: Transportation Engineering-V (Venue - D: Room No. Ext. 214) Time: 9 Feb. 2024, 11:20-13:00		
	Session Chair: <i>Prof. Dr. Md Shoaib Chowdhury</i>		
Time	Paper ID	Paper Title	Author(s) Name
11.20-11.30	417	Physio-Mechanical Properties of Autoclaved Aerated Concrete Masonry Unit	Md. Ahsan Habib and Md. Mozammel Hoque
11.30-11.40	448	Exploring Bus Drivers' Perceptions of Intersection-Related Accidents on Highways	M. Rahman, A. Kundu and M. H. Nobel
11.40-11.50	543	Factors Affecting Bicycling Experience in a Developing Country	N. Sakib, M. Istiaque Ahmed and Khondhaker Al Momin
11.50-12.00	559	Assessment of the Perception of Commuters Towards Service Quality of Mass Rapid Transit in Dhaka City, Bangladesh	Siam Junaed, Nazmus Sakib , Tofayel Ahmed Tapu and Razesh Kanti Sarkar
12.00-12.10	590	Optimization of High Reclaimed Asphalt Pavement in Asphalt Wearing Course Using Crumb Rubber and Waste Engine Oil	M. Z. H. Khan , S. Koting, M. Ibrahim, H. B. Katman, A. M. Babalghaith and O. Asqool
12.10-12.20	803	Study on Existing Bus Terminal Facilities in Barishal City	M. A. Pranti, A. Husain , M. E. Shaik, S. Molla, M. T. H. Turja and A. Al Mamun
12.20-12.30	857	Modeling of Pavement Maintenance Management Using Artificial Neural Network in Khulna Metropolitan City	MD Ibrahim Bhuyia and Quazi Sazzad Hossain
12.30-12.40	966	Real-Time Three-Wheeler Traffic Detection on Expressways Using Yolo Model	R. M. Nabil , T. Kundu and U. Karmoker
12.40-12.50	988	Passengers Satisfaction Level on Bus Services in Chittagong City Using Multiple Linear Regression	M. Farjana , K. A. Ratna, M. A. J. Marup, S. Mahamud, G. M. A. Mamun, S. Barua and M. T. Azid
12.50-13.00	1048	Towards Sustainable Transportation: a Statistical Examination of Traffic Management and Planning in Bangladesh	Md. Moynul Islam , Ishrakul Tahmid, Samian Bin Joarder, Mushfikuzzaman Amin and Md. Mortuza Ahmmed

Technical Session (Virtual)	Track: Water Resource Engineering-V (Venue - E: Room No. CE 310) Time: 9 Feb. 2024, 11:20-13:00 Zoom ID: 932 1541 7575 Passcode: 344889		
	Session Chair: <i>Prof. Dr. Ainun Nishat</i>		
Time	Paper ID	Paper Title	Author(s) Name
11.20-11.30	641	Synthesized Fluivial Stage-Dischare and Sediment Rating of Jamuna River at Bahadurabad	Md A Matin , Maliha B Islam and Anika N Mowrin
11.30-11.40	650	Development of a Hydrologic Model for Flood Prediction and Suitability Analysis of Boro Crop Cultivation for Sunamganj Haor Region Using HEC-HMS	Muhtasim Haque Nahian, Nafees Ul Haque Akhand, Satyajit Dey Sagar, Refat Tabassum and Md Arafat
11.40-11.50	661	An Assessment of the Impact of River Erosion on the Life and Economy of People Living in Charghat, Rajshahi	J. Alam , M. I. Rahman, S. Salman, T. Al-Kadri Prant, M. A. Wakil and A. Das
11.50-12.00	713	Evaluating the Impact of LULC Changes on Flash Flood Using HEC-HMS: A Case Study for Sylhet Region	F. Ahmed , M. A. I. Wahid, M. Turjo, M. A. Rahman, T. I. Illin and A.K.M. R. Hossain
12.00-12.10	722	Assessment of Regional Sea Level Rise and Coastal Vulnerabilities Along the Coastal Areas of Bangladesh	Jannatul Ferdous Eva , Nusrat Anam and G. M. Jahid Hasan
12.10-12.20	731	Water Quality Assessment of the Halda River Basin Using QUAL2k	M.A. Islam , M.T. Azam, M.M.H. Khan and S. Afrin
12.20-12.30	739	Prediction of Future Water Demand for Various Usages Within Purbachal New Town, Dhaka	Md. Raiful Islam and Md. Abdul Matin
12.30-12.40	799	Assessment of Effectiveness of Structural Interventions for Riverbank Protection Using Mathematical Modeling	S.Shahariar and A.T.M.H. Zobeyer
12.40-12.50	830	Performance Analysis of MRI Storm Surge Model: A Case Study in the Bay of Bengal	R. Rahman , M. S. Ali and A. B. Shaheen
12.50-13.00	840	An Evaluation of Landsat-8, Sentinel-2 and MODIS Data for Vegetation Coverage Mapping in Dhaka City	M. Islam , N. Sultana, D. S. Dip and M.A. Minu

Technical Session (Virtual)	Track: Transportation Engineering-VI (Venue - F: Room No. CE 309) Time: 9 Feb. 2024, 11:20-13:00 Zoom ID: 992 8217 5235 Passcode: 219519		
	Session Chair: <i>Dr. Mohammad Mahbub Alam Talukder</i>		
Time	Paper ID	Paper Title	Author(s) Name
11.20-11.30	489	A Review of the Freight Generation Models and Data Collection Techniques	N. S. Rodoshi , S. M. S. Shahriyar, M. A. Al Noor and M. Shamsul Hoque
11.30-11.40	566	Performance Evaluation of Turbo-Roundabout in Heterogeneous Traffic Condition of Dhaka, Bangladesh	Nazmus Sakib, Tofayel Ahmed Tapu , Siam Junaed and Razesh Kanti Sarkar
11.40-11.50	610	Swot Analysis of the Circular Waterway Around Dhaka City	Arnob Protim Roy , Hasib Mohammed Ahsan
11.50-12.00	642	An Assessment of the Distance Variation of Traffic Noise Pollution in Dhaka City During Peak and Off-Peak Hours	I. Ullah , Fatama Siddique, Al Amin, Umme Saima Zanzabil and Md. Zakir Hossain
12.00-12.10	674	Assessing Level of Service at Rajshahi Railway Station Intersection: A Traffic Volume Survey Approach	M. T. Hossain , S. A. T. Shuvo, M. S. Mila, Mst. A. Marjiya, F. Afroz, S. A. Salan, M. W. H. Nipun
12.10-12.20	691	A Comparative Exploration of the Reasons for Delays and Overruns, Cost-Benefit Analysis, and SWOT analysis of Various Road Projects in Bangladesh	Nurul Islam Zihad , Anika Tahsin, M. Abdullah Al Hasan and A. Ferdous Nafis
12.20-12.30	704	Application of Natural and Synthetic Fiber as Modifier in Asphalt Concrete: A Review	Dip Mukherjee and Quazi Sazzad Hossain
12.30-12.40	712	Analyzing the Changes in Travel Mode Behavior in Uttara Model Town, Dhaka: A Comparative Study Before and After the Emergence of Ride-Hailing Services	S. A. T. Shuvo , M. T. Hossain, M. S. Mila, A. Marjiya, F. Afroz, M. S. A. Salan and M. W. H. Nipun
12.40-12.50	725	Overview of Autonomous Vehicles Research: Present, Past and Future	Ahmed Imtiaz Zamee, Arnab Naha Ushna and Tanima Roy
12.50-13.00	741	Assessment on Transportation Linkage and Its Impact on Rural Market Activities: a Case Study on Godagari Upazila, Rajshahi	Angkita Sarkar , Oma Sarker, Sandip Mandal Joy and Tabassum Mampy

Technical Session (Virtual)	Track: Structural Engineering-XI (Venue - G: Room No. CE 308) Time: 9 Feb. 2024, 11:20-13:00 Zoom ID: 962 8505 3900 Passcode: 165612		
	Session Chair: <i>Prof. Dr. Abu Zakir Morshed</i>		
Time	Paper ID	Paper Title	Author(s) Name
11.20-11.30	885	Walking Through the History: Introduction to Heritage Tourism and Tourist Trail for the Renewal of Rajshahi.	T. S. Dristy , E. S. Afrin, F. H. Aurpi and T. Rashid
11.30-11.40	894	An Experimental Investigation of Electrically Conductive Concrete Using Activated Carbon	A. Tahsin , A. S. M. Sowrov and N. H. M. K. Serker
11.40-11.50	925	Alternative Coarse Aggregate and Supplementary Cementitious Materials for Sustainable Concrete Structures: A Review on Characterization and Properties	Md. Zubayer Zakaria Sajib, Sanjida Sharmin and Md. Ashraful Islam
11.50-12.00	932	Exploring the “Leisheshan” and “Huoshenshan” Temporary Hospital Building (Constructed During Covid-19, China), Model: Lessons, Applicability and Barriers for Engineering Professionals in Bangladesh	Zakia Sultana , Fardeen Shahriar Dipro, Montaha Khan and MD Assaduzzaman
12.00-12.10	1043	The Fundamental Concept of Fragility Analysis for the Performance of Dams Under the Effect of Earthquakes	T. S. Hussein, M. A. A. Kadir, A. A. Yousuf, M. A. Mousa, L. N. Assi and M. Z. Ramli
12.10-12.20	1055	Partial Replacement of Eggshell and Rice Husk Powder as Cement in Concrete	M. A. J. Urmi , M. R. Awall and S. Nawar
12.20-12.30	1078	Strengthening of Hollow-Core Slab on RC D-Regions Based on Struct-Tie Model	Mahesan Bavan

Technical Session (Physical)	Track: Environmental Engineering-IX (Venue - A: Room No. Ext. 211) Time: 9 Feb. 2024, 15:15-16:15		
	Session Chair: <i>Prof. Dr. S. M. Moniruzzaman</i>		
Time	Paper ID	Paper Title	Author(s) Name
15.15-15.25	834	Transforming the Existing Households as a Disaster Safehold Through Cost-Efficient Architectural Execution Techniques: A Case Study of Assasuni, Shatkhira	Fatama Siddique, Sheikh MD Ali Reza , Shoubhik Kumar Dey and SM Zahed Sarwar
15.25-15.35	836	Comparison of Water Supply Systems Sustainability in Paikgacha Municipality	B. Mondal , Q. H. Bari, M. Shafquzzaman and B. Mondal
15.35-15.45	849	Numerical Prediction of Diaphragm Wall Movement of Mrt Line 1	J. Ferdous, R. H. Titu, M. Sadiq , M. I. M. Satu and T. Alam
15.45-15.55	877	Disaster Impact on Supply Chain Management of Agricultural Products in Dacope, Khulna	R. Sharmin , M. Hasan, S. B. Kadir, M. J. Hossain, and J. H. Jadid
15.55-16.05	886	Applying Game Theory to Water Management Using Constructed Floating Wetlands: Kallyanpur Detention Pond Study	Nafis Islam and Md. Hasanur Rahman
16.05-16.15	892	Baseline Study for Business Model of Mismanaged Plastic Wastes in Khulna City of Bangladesh	A. Sarkar , Q. H. Bari, M. R Islam, J. A. Saju, P. Lorber, A. A. Hasan and M. N. Farsi

Technical Session (Physical)	Track: Structural Engineering-XII (Venue - B: Room No. Ext. 213) Time: 9 Feb. 2024, 15:15-16:15		
	Session Chair: <i>Prof. Dr. Muhammad Harunur Rashid</i>		
Time	Paper ID	Paper Title	Author(s) Name
15.15-15.25	41	Performance of Peripheral T-Shaped Shear Wall in Framed Tube Structures in Context of Dhaka City	Debashis Mallick and Mohammad Al Amin Siddique
15.25-15.35	878	Cost Analysis Between AAC Vs. Ferro Cement Vs. RCC with Masonry Made Single-Story Construction	S. A. Tasnim , M. Islam, M. A. Alam and M. I. Warah
15.35-15.45	911	Curing Effect on Mechanical Properties of Normal Strength Concrete	Ananya Saha and Muhammad Harunur Rashid
15.45-15.55	927	An Investigation on Cement Grout Performance Subjected to Its Mixing Temperature	Md Hasan-Al-Mamun , Muhammad Harunur Rashid and Md Tushar Ali
15.55-16.05	942	Evaluating Public Funded Construction Project Performance Through Earned Value Management	Rokibul Hossain Titu and Sk. Md. Kamal Uddin
16.05-16.15	947	Nano Materials in Recycled Aggregate Concrete: A Comprehensive Review	Md. Faseehul Islam , Md. Abu Safayet and Md. Habibur Rahman Sobuz

Technical Session (Physical)	Track: Water Resource Engineering-VI (Venue - C: Room No. Ext. 212) Time: 9 Feb. 2024, 15:15-16:15		
	Session Chair: <i>Mr. Motaleb Hossain Sarker</i>		
Time	Paper ID	Paper Title	Author(s) Name
15.15-15.25	44	Water Use Patterns of Different Domestic Activities in Three Selected Areas of Dhaka South City Corporation	M. M. Rahaman, M. R. Hassan , R. Habib and M. A. I. Shamim
15.25-15.35	139	Potentials of Sibsa River for Development of a New Port in Terms of Navigability	M. Rahman, M. S. Ali and R. Rashid Saad
15.35-15.45	843	Drought Projection of the Rajshahi Region using SPI Index and CORDEX Climate Model Data across Different Time Scales	Md. Rayhan
15.45-15.55	847	Assessment of the Impact of Structural Intervention on Riverbank Erosion-Accretion and Bar Dynamics of the North-Western Part of the Ganges River Using Remote Sensing Technique	M.M. Winey , S. Shahariar, M.P. Hossain, M.S.A. Munna and T.A. Bipul
15.55-16.05	948	Navigating Flood Challenges Through Vulnerability and Resilience Assessment in Paikgachha Upazila	Tahdia Tahmid and Md. Mustafa Saroar

Technical Session (Physical)	Track: GIS, Remote Sensing and Artificial Intelligence Network (Venue - D: Room No. Ext. 214) Time: 9 Feb. 2024, 15:15-16:15		
	Session Chair: <i>Engr Shaikh Muzakka Zaher</i>		
Time	Paper ID	Paper Title	Author(s) Name
15.15-15.25	59	A Remote Sensing and GIS Approach for Monitoring Livelihood Adaptation with Change of Soil Salinity in Polder 21 and 22 of Southwest Bangladesh	Md Abdul Kader Nahid , Mehedi Hasan, Abhishek Sarkar, and Md Waliul Islam
15.25-15.35	678	Investigating the Compatibility of Existing Sanitation Services with Sustainable Development Goal Using GIS and SFD Graphic: A Case Study on Sylhet City Corporation	M. A. Hoque, M. A. Hasan , B. K. Banik and M. I. Kabir
15.35-15.45	790	Predicting Medical Waste Generation Based on Demographic and Socio-Economic Parameters Through Machine Learning Approach in Khulna City	Tanjina Mannan Risha and Islam Md Rafizul
15.45-15.55	819	Development of a Convolutional Neural Network (CNN) Image Detection Model to Identify the Trophic Status of Lakes	Sinha M Sultana , Nabil a Durjoy and Mehnaz Sultana
15.55-16.05	883	GIS-Based Route Optimization of Municipal Solid Waste Collection and Minimum Fuel Consumption in Khulna City	Masum M. Mohiuddin , Islam M. Rafizul , Ankon Baral and Swadhin Das
16.05-16.15	1015	Temporal Analysis of Vegetation Cover in Relation to PM2.5 and Land Surface Temperature Using RS and GIS Techniques: a Case Study of Dhaka City	Muhtasim Shahriar Mostafa , Md. Shahariar Kabir and Ahmed Shakik

Technical Session (Virtual)	Track: Environmental Engineering-X (Venue - E: Room No. CE 310) Time: 9 Feb. 2024, 15:15-16:15 Zoom ID: 932 1541 7575 Passcode: 344889		
	Session Chair: <i>Prof. Dr. Quazi Hamidul Bari</i>		
Time	Paper ID	Paper Title	Author(s) Name
15.15-15.25	728	Implementation of Water Sensitive Urban Design Technologies: Opportunities and Challenges in a Developing Country	M. M. Haque , R. Khan and M. Rahman and M. Rahman
15.25-15.35	763	Incorporation of Mathematical Model for the Optimization of Solid Waste Management in Primary Sector of Khulna City	Sarmista N Satu and Islam M Rafizul
15.35-15.45	800	Cradle-To-Gate Life Cycle Assessment of Jute and Plastic in Bangladesh	M. K. Hasan , K. Mahbub Hassan and T.T. Jarin
15.45-15.55	828	Preparation and Characterization of Epoxy/Reduced Graphene Oxide Nanocomposites as Leather Finishing Agent	H. R. Santo , S. I. Showrov, S. Chowdhury and M. Elias Uddin
15.55-16.05	853	A Breakthrough Approach with Collagen-Graphene Oxide Nanocomposite: Sustainable Solution for Dye Wastewater	S. Chowdhury , S. I. Showrov, H. R. Santo and M. E. Uddin
16.05-16.15	863	An Experimental Study on Duckweed Based Waste Stabilization Pond System	S. M. Mukhtar , Wahid uz zaman, and M. L. R. Talukder
16.15-16.25	1037	Climate Change and Its Impact on Built Environment Along with Remedies to Ensure Sustainable and Resilient Society	Aditya Singh and Amit Srivastava

Technical Session (Virtual)	Track: Transportation Engineering-VII (Venue - F: Room No. CE 309) Time: 9 Feb. 2024, 15:15-16:15 Zoom ID: 992 8217 5235 Passcode: 219519		
	Session Chair: <i>Prof. Dr. Md. Rokonzaman</i>		
Time	Paper ID	Paper Title	Author(s) Name
15.15-15.25	306	Exploring the Impact of Service Quality and Customer Satisfaction on Reliability: A Structural Equation Modeling Approach	Adeeba Naz, Md. Shamsul Haque, Rajesh Sharma Arghya and Ifratul Hoque
15.25-15.35	797	Structural Equation Modeling Approach for Accessing Paratransit Service in Bangladesh	A. S. M. N. Uddin , S. A. Suma, M. N. Jannat and M. S. Hoque
15.35-15.45	865	Identification of Hazardous Road Locations on Dhaka-Khulna National Highway	A. K. Paul , R. Adhikary, M. E. Shaik, S. Banarjee, J. Ashifin and Q. Hasib
15.45-15.55	887	Investigation of Road Accident Scenario in Chattogram City	S. N. Nilu , K. D. Dip and M. H. Masum
15.55-16.05	940	Trip Attraction Model on the Shopping Centers Using Linear Regression Analysis in Chattogram City as a Case Study	Sourav Das and Shuvo Ray
16.05-16.15	1054	Performance Evaluation and Analysis of Traffic and Pedestrian Flow at Chittagong Export Processing Zone Intersection in Bangladesh	Md Omar Al Fahad , Md Nahid Mahfuz Kiron and Mahmood Omar Imam

Technical Session (Virtual)	Track: Water Resource Engineering-VII (Venue - G: Room No. CE 308) Time: 9 Feb. 2024, 15:15-16:15 Zoom ID: 962 8505 3900 Passcode: 165612		
	Session Chair: <i>Dr Md. Aminul Haque</i>		
Time	Paper ID	Paper Title	Author(s) Name
15.15-15.25	341	A Case Study on Land Use and Land Cover Changes in Specific Areas in Chattogram City Corporation	A. Islam, M. F. Rahim Lasker Rishan , A. Razzak Zubaer, I. Islam and M. Wahidul Islam
15.25-15.35	851	Morphological Changes and Bar Dynamics of the Jamuna River: A Study of the Jamalpur to Manikganj Reach	Isfar Liva , Tosnim A Raji and Fariha I Mou
15.35-15.45	855	Assessment of Disaster-Responsive Traditional Housing in Coastal Cities: A Case Study of Ganjam District, Odisha	Upasana Mohanty and Bhavna Shrivastava
15.45-15.55	910	Environmental Flow Estimation of Buriganga River Considering Water Quality	M. R. I. Rajib , M. R. Khan, M. Rifat and A. F. M. Saleh
15.55-16.05	1021	Coastal Flooding Risk Assessment Using Spatial Multi-Criteria Decision Analysis in the Selected Cities of Bangladesh	Aysha Akter and S. M. Ataullah
16.05-16.15	1066	Water Availability and Quality in Musapur Reservoir: Analyzing the Current Situation and Identifying Challenges	M. S. R. Prince , M. S. Rahman, F. A. Mohiuddin, T. Chaki and M. S. Masud
16.05-16.25	1077	Risk Assessment and Flood Management of Seluang River in Mahakam River Basin	B.Handyastono , M. S. B. Kusuma, M. Farid, E. O. Nugroho, A.Rosani and R. D. Oriandra

Technical Session (Physical)	Track: Environmental Engineering-XI (Venue - A: Room No. Ext. 211) Time: 9 Feb. 2024, 16:40-18:00		
	Session Chair: Prof. Dr. Nehreen Majed		
Time	Paper ID	Paper Title	Author(s) Name
16.40-16.50	116	Effects of Industrial Effluents on the Water Quality of Karnaphuli River, Bangladesh	S. Roy, S. Kanungo and M. M. H. Masum
16.50-17.00	901	Comprehensive Environmental Monitoring for the Doubling of An Existing Rail Line Project	M. R. Hassan, M. I. M. Satu , R. H. Titu, M. Sadiq, F. Mahmud and S. B. Nayan
17.00-17.10	904	Characterization and Energy Potential of Municipal Solid Waste from Open Dump Site in Khulna City	MD Amir Hamza Tur , Islam M. Rafizul and Saptarshi Mondal
17.10-17.20	915	A Comparative Analysis of Sanitation Practices Between Public and Private Universities of Bangladesh	Raisa Tabassum , Ananya Saha and Mohd. Yousuf
17.20-17.30	928	Carbon Footprint Assessment of Hydrothermal Liquefaction of Wet-Waste for Biocrude Production	Nafis Ahmed Pantho and MD Khalekuzzaman
17.30-17.40	929	Enhancement of Biocrude Quality Using Fecal Sludge and Organic Solid Waste Through Two-Stage Hydrothermal Liquefaction Technique	H. M. F. Adnan , M. A. Fayshal, D. R. Chowdhury, T. S. Jemi, N. A. Pantho and M. Khalekuzzaman
17.40-17.50	936	"Revolutionizing Waste Management in Khalishpur, Khulna: Paving the Way for a Better Quality of Life"	Tanzina Sultana Prima , Sumiya Amin and Mohima Islam Hridita
17.50-18.00	1044	Climate Change, Natural Disasters, and Vulnerability in Bangladesh: A Complex Nexus	K. M. T. Kabir , M. N. Noor and M. M. Ahmmed

Technical Session (Physical)	Track: Structural Engineering-XIII (Venue - B: Room No. Ext. 213) Time: 9 Feb. 2024, 16:40-18:00		
	Session Chair: <i>Prof. Dr. NHM Kamrujjaman Serker</i>		
Time	Paper ID	Paper Title	Author(s) Name
16.40-16.50	481	Optimizing Shear Wall Placement for Mitigation of Torsional Effects in High-Rise Buildings with Vertical and Horizontal Irregularities: A Case Study in Different Seismic Zones of Bangladesh	Md. Shamim Sharear, Aatur Rahman, Abhishek Sarkar and Md. Abidul Akbari
16.50-17.00	500	On the Significant Design Parameters of Self-Centering Concrete Bridge Piers	M. T. Islam , D. Dutta and N. Islam
17.00-17.10	968	Slenderness (L/B) Effect on the Axial Strength of Concrete Filled Steel Box Composite Column	A.K.M. Ruhul Amin , Md. Khasro Miah and Md. Mozammel Hoque
17.10-17.20	975	Impact of Fine Aggregate on Heat Storage, Strength and Permeability of Pervious Concrete Pavements	Md Tushar Ali and Md. Harunur Rashid
17.20-17.30	978	Optimization of Building Energy Retrofit Solutions	Md. Rafi Azam , Jawad Ashraf and Mostakim Hossain Rony
17.30-17.40	1052	Influence of Ageing in Different Mediums on the Mechanical Properties of Juco/Carbon Epoxy Composites	N. M. Nayeem , M. F. Hossain, M. S. Rana and M. S. Ferdous
17.40-17.50	1057	Fatigue Life Assessment of Steel Structure, A State-Of-The-Art Review	Kamal Hosen , Xu Zhaodong and Huang Xinghuai
17.50-18.00	1068	Partial Replacement of Cement with Paint Sludge in Concrete Block & It's Environmental Impacts	R. Hossain, H. S. Mrinmoy, K. Arsh , A. Hoque and M. M. H. Masum

Technical Session (Physical)	Track: Architecture, Green Building and Structural Engineering (Venue - C: Room No. Ext. 212) Time: 9 Feb. 2024, 16:40-18:00		
	Session Chair: <i>Prof. Dr. S. M. Zahurul Islam</i>		
Time	Paper ID	Paper Title	Author(s) Name
16.40-16.50	570	Investigating the Impact of Different Window Materials on the Energy Consumption of Buildings: In the Context of Khulna	A. Rahman, P.S. Anik and M.S.R. Shovon
16.50-17.00	577	Assessing the Effectiveness of Inclusive Bus Terminal Design in Meeting the Needs of Physically Challenged People: In the Context of Khulna	P.S. Anik, M.S.R. Shovon and A. Rahman
17.00-17.10	617	Evaluating the Site Safety Scenario of the Construction Industry in Khulna City	S. D. Datta, M. H. Rony , S. A. Sworna, S. Islam, M. Shourav, A. R. Parosh, S. Kundu and R. Arafin
17.10-17.20	694	Integration Challenges of Energy Efficient Building (EEB) Concept in Building Design: Residential Building in Khulna as Cases	Md. Khalid Hossain and Md. Raihan Khan
17.20-17.30	702	Optimizing Small Spaces: A Comprehensive Study on Interior Design Challenges, Perceptual Experiences, and Innovative Solutions	Israt Jahan , Md. Shahriar Hossain and Rahat Aayaz
17.30-17.40	708	From Conventional to Green Building: A Framework for Green Factory Transformation in Bangladesh	Md. Faseehul Islam, Nusrat Jahan Nijum and Shuvo Dip Datta
17.40-17.50	775	Impact of Extended Transportation System on City Decentralization: A Study on Khulna City	D. Afroz, H. I. Bulbul and S. K. Lubna
17.50-18.00	787	Assessing Fire Risk Management of High-Rise Residential Building in the Context of Mid-Sized City, Khulna	M. R. Khan, M. A. Rahad and S. A. Tisa

Technical Session (Physical)	Track: Environmental Engineering-XII (Venue - D: Room No. Ext. 214) Time: 9 Feb. 2024, 16:40-18:10		
	Session Chair: <i>Prof. Dr. Tanvir Ahmed</i>		
Time	Paper ID	Paper Title	Author(s) Name
16.40-16.50	154	Adsorption of Mn ²⁺ in Synthetic Wastewater Solution Using Coconut Coir Ash	Md. Zohrul Islam and Md. Zahanggir Alam
16.50-17.00	609	Comparative Study the Effect of Different Types Chemical Admixtures in Ecofriendly Sand Cement Block	M. W. Ali , M. J. Shahshuja, T. B. Reza, A. Habib, M. N. Rahman and M. A. Alam
17.00-17.10	612	Carbon Consequences of Deforestation in Khagrachhari of Chittagong Hill Tracts: A GIS and Remote Sensing Approach	M. Rahman, T. Haque, T. J. Rakhi , Al Hossain Rafi and S. Islam Oishi
17.10-17.20	823	Integrated Performance Assessment of Bangabandhu Water Treatment Plant in Khulna	Debanjon Shome and Dr. Khondoker Mahbub Hassan
17.20-17.30	824	Contamination of Heavy Metals in Water and Sediment in the Vicinity of Industrialized Zones Along the Rupsha River	Md. Rahatul Islam and Khondoker Mahbub Hassan
17.30-17.40	831	The Role of Vegetation to Protect Biodiversity of Char Land from Disaster: A Review	Quazi Hamidul Bari and Mahmudul Hasan
17.40-17.50	1046	Mathematical and Statistical Insights into Climate-Induced Health Consequences in Bangladesh	I. Amin , M. S. Uddin, S. Biswas, M. M. Ali, A. Rahman and M. M. Ahmmed

Technical Session (Virtual)	Track: Environmental Engineering-XIII (Venue - E: Room No. CE 310) Time: 9 Feb. 2024, 16:40-18:10 Zoom ID: 932 1541 7575 Passcode: 344889		
	Session Chair: <i>Prof. Dr. Kazi ABM Mohiuddin</i>		
Time	Paper ID	Paper Title	Author(s) Name
16.40-16.50	795	Plastic Recycling Businesses in Khulna: A Study on Mitigating Current Problems	P. Lorber , A. A. Hasan, Q. H. Bari, I. M. Rafizul and J. A. Saju
16.50-17.00	866	Monitoring Water Temperature at Household Level in Different Types of Storage Tank Using Sensor and Assessing the Effect of Ambient Air Temperature on Water Temperature	Banna Rani Das , Fariha Tabassum, Md. Arafat Rahman and Muhammad Ashraf Ali
17.00-17.10	871	Dynamic Morphological Change Analysis of Sandwip Island at Meghna Estuary Using Remote Sensing and GIS Techniques	Md. Tanvir Alam Tarafder , Maliha Islam Neha and Md. Ataur Rahman
17.10-17.20	971	Analysis of Access to Pure Drinking Water Facility and Adequate Sanitation Infrastructure at Omar Ali Market: Largest Fishing Equipment Market, Fishery Ghat, Chattogram.	Fabiha Mashrura Khan and Tafannum Farnaz
17.20-17.30	987	Investigating the Effects of Noise Pollution's Influence on the Built Environment at Zero Point, Khulna	M.I. Hridita and M.R. Khan
17.30-17.40	1065	Study on the Characteristics of Drainage Liquid Wastes and Deposited Drainage Solids of Rajshahi City	M. N. Bari , M. Z. Alam, A. Chowdhury, J. Islam, M. M. Alam, M. Munni, S. Hasan, M. Shahorian and M. K. A. Limon
17.40-17.50	1067	A Mini-Review on Greywater Treatment and Its Reuse Potential for Sustainable Water Management	Md. Ajijur Rahman and Mst. Farzana Rahman Zuthi
17.50-18.00	1072	Plastic Waste Management Through Materials Flow Analysis: A Case Study in Chattogram	M. N. Hossain , Asiful Hoque, and Md. Reaz Akter Mullick
18.00-18.10	1076	An Assessment of the Possible Quantities of Mar Installations in the Water-Scarce Barind Region of Northwest Bangladesh	Md. Iquebal Hossain and Md. Niamul Bari

Technical Session (Virtual)	Track: Architecture, Green Building and Structural Engineering (Venue - G: Room No. CE 308) Time: 9 Feb. 2024, 16:40-17.40 Zoom ID: 962 8505 3900 Passcode: 165612		
	Session Chair: <i>Prof. Dr. Md. Ataur Rahman</i>		
Time	Paper ID	Paper Title	Author(s) Name
16.40-16.50	136	Biomimetic Approaches in Structural Design: A Review of Potential Applications and Challenges in the Context of Bangladesh	Mohammad Akib Islam , Md. Imtiaz Ahmmed, Md. Tanvin Mahi and Md. Shaon Ahmed
16.50-17.00	209	Mechanical Properties of Polypropylene Fiber Reinforced High-Strength Concrete Exposed to Elevated Temperatures: An Experimental and Artificial Neural Network Approach	Fahim Shahriar, Bokul Roy and Shuvo Dip Datta
17.00-17.10	487	Incorporating Indigenous Knowledge for Enhancing Disaster Resilience in Coastal Settlements of Bangladesh	Sanjida Morshed Orthy , Sreezon Sifat Hasan
17.10-17.20	549	Life Cycle Environmental Impact of Traditional and Alternative Sustainable Materials in Structural Members: A Commercial Building Case Study in Bangladesh	S. A. Islam , N. Zahin and S. A. Chowdhury
17.20-17.30	740	An Evaluation of the Damaging Effects of Shortage of Certified Workforce in Zamfara State Construction Industry	A. R. Ashiru and K. Anifowose
17.30-17.40	587	Effects of Infill Breakage on Story Buildings	Naomi Nafisa Rahman and Raquib Ahsan