



# INTERNATIONAL CONFERENCE ON SUSTAINABLE DEVELOPMENT IN CIVIL ENGINEERING

## ICSDC-2019

05<sup>TH</sup> – 07<sup>TH</sup> DECEMBER 2019

MEHRAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY JAMSHORO



### CONFERENCE PROGRAM

**DAY 01 – THURSDAY, DECEMBER 05, 2019**

**INAUGURATION CEREMONY**

**MAIN AUDITORIUM-MEHRAN UET JAMSHORO**

TIME		PROGRAM SCHEDULE		
FROM	TO	ACTIVITY	NAME	AFFILIATION & DESIGNATION
08:00	09:00	Registration of the Participants/Delegates	-	-
09:00	09:10	Guests to be seated	Guests to be seated	Guests to be seated
09:10	09:15	Recitation from the Holy Quran	Mr. Hafiz Asim Ali Memon	Department of Civil Engineering, Mehran UET, Jamshoro
09:15	09:20	National Anthem	National Anthem	National Anthem
09:20	09:25	Welcome Note	Prof. Dr. Aneel Kumar	Conference Chair
09:25	09:35	Address by Vice-Chancellor Chief Guest	Prof. Dr. Muhammad Aslam Uqaili	Vice Chancellor, Mehran University of Engineering & Technology, Jamshoro, Pakistan
09:35	09:40	Decorating International Delegates		
09:40	09:45	Ribbon Cutting		
09:45	09:50	Vote of Thanks	Prof. Dr. Khan Muhammad Brohi	Dean Faculty of Architecture & Civil Engineering, Mehran UET Jamshoro

**TEA-BREAK (09:50 TO 10:10 )**



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## PLENARY SESSION (MAIN AUDITORIUM)

Time		Chair: PROF. DR. TAUHA HUSSAIN ALI Pro-Vice Chancellor Mehran UET Jamshoro		Co-Chair: PROF. DR. RIZWAN UL HAQUE FAROOQUI Professor and Co-Chairman Dept of Civil Engr NED University Karachi	
FROM	TO	PLENARY TALK	NAME	AFFILIATION	TITLE
10:15	10:30	Plenary Talk 1	PROF. DR. BAHTIYAR ÜNVER	DEPARTMENT OF MINING ENGINEERING HACETTEPE UNIVERSITY ANKARA	Safety Culture in Mining and Geotechnical Engineering
10:30	10:45	Plenary Talk 2	PROF. DR. ABDULLAH ERHAN TERCAN	DEPARTMENT OF MINING ENGINEERING HACETTEPE UNIVERSITY ANKARA	Mineral Resources and Geotechnical Engineering
10:45	11:00	Plenary Talk 3	PROF. DR. ASHRAF TANOLI	GIK INSTITUTE, TOPI, KPK, PAKISTAN	Sustainable Evolution of Concrete in Construction Industry
11:00	11:15	Plenary Talk 4	DR. ZAINAB RIAZ	SULEMAN DAWOOD SCHOOL OF BUSINESS, LAHORE, PAKISTAN	Transformation of Construction Industry through Digital Technology
11:15	11:30	Plenary Talk 5	PROF. DR. ANWAR KITAB	CIVIL ENGINEERING MUST MIRPUR AJK	Evaluation of Ordinary Concrete Having Ceramic Waste Powder as Partial Replacement of Cement
11:30	11:45	Plenary Talk 6	PROF. DR. ABDUL JABBAR SANGI	DEPARTMENT OF CIVIL ENGR NED KARACHI	Structural Behavior of Recycled Aggregate Concrete
11:45	12:00	Plenary Talk 7	PROF. DR. RIZWAN UL HAQUE FAROOQUI	DEPARTMENT OF CIVIL ENGR NED UNIVERSITY KARACHI	Moving Towards Zero Accidents In Construction Industry Of Pakistan
12:00	12:30	CONCLUDING REMARKS BY THE SESSION CHAIR FOLLOWED BY DISTRIBUTION OF SHIELDS			
PRAYER BREAK (12:30 TO 13:00)					
LUNCH BREAK (13:00 TO 13:30 )					



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### DAY 01 – THURSDAY, DECEMBER 05, 2019 -----TECHNICAL SESSION-1 (13:30 – 15:00)

Session	Room 1 (Central library)	Room 2 (Central library)	Room 3 (Central library)	Room 4 (Central library)	Room 5 (Central library)
CONFERENCE THEME	CONCRETE ENGINEERING	GEOTECHNICAL ENGINEERING	BUILDING INFORMATION MODELING / BUILDING TECHNOLOGY	STRUCTURAL ENGINEERING	WATER AND WASTEWATER ENGINEERING AND TREATMENT
	<i>Session Chair:</i> <b>Dr. Ashraf Tanoli</b> (GIK KPK) <i>Session Secretary :</i> <b>Dr. Roz-Ud-Din Nassar</b>	<i>Session Chair:</i> <b>Dr. Anwar Khitab</b> (MUST Mirpur AJK) <i>Session Secretary :</i> <b>Ms. Chhanve Zohra Memon</b>	<i>Session Chair:</i> <b>Dr. Rizwan ul Haque Farooqui</b> (NED KARACHI) <i>Session Secretary :</i> <b>Dr. Saima Gulzar</b>	<i>Session Chair:</i> <b>Dr. Abdul Jabbar Sangi</b> (NED KARACHI) <i>Session Secretary :</i> <b>Ms. Naila Qadir</b>	<i>Session Chair:</i> <b>Dr. Ashfaque Pathan</b> (MUEJ JAMSHORO) <i>Session Secretary :</i> <b>Dr. Muhammad Rizwan</b>
<b>1</b>					
<b>Authors--&gt;</b>	HUMAIRA KANWAL	MIRZA ADIL AHMED MUGHAL	RUMMANA KHAN SHERWAN	AYAZ AHMED LASHARI	AMIR AKRAM
<b>Paper Title--&gt;</b>	Effect of Different Types of Sand and Their Mix Ratios on Compressive & Tensile Strength of Concrete	Effects of Sugarcane Bagasse Ash on the Strength Characteristics of Bentonite Clay	Metro Induced Impacts on Historic Buildings: A Case Study of Dai Anga Tomb	Study of Rigid Bond Admixture on the Strength of RCC Beams	Development of nylon 6 nanofiber membrane for removal of E. Coli bacteria from drinking water
<b>2</b>					
<b>Authors--&gt;</b>	ZEESHAN ULLAH	PERVEZ ALI SHAH	SIDRA ARAIN	MUHAMAMD BILAL	POOJA DEVI
<b>Paper Title--&gt;</b>	Behaviour of Tensile Strength Energy to Control Concrete Spalling in Rigid Pavements by using Rice Straw Concrete	Characterization of Indigenous Bentonite as potential drilling Mud	Exploring Vernacular Ventilation Techniques for Adaptation in Contemporary Buildings in Hyderabad, Sindh.	Finite element modeling of crumb rubber concrete lumped mass column	Preparation of sustainable adsorbent to Treat organic pollution in water
<b>3</b>					
<b>Authors--&gt;</b>	<b>DR. ROZ-UD-DIN NASSAR</b>	<b>MS. CHHANVE ZOHRA MEMON</b>	<b>DR. SAIMA GULZAR</b>	<b>ABUBAKAR SIDDIQ</b>	<b>DR. MUHAMMAD RIZWAN</b>
<b>Paper Title--&gt;</b>	<b>Use of Polypropylene Fibers in Concrete Mixtures Produced With Crushed Stone Sand as Fine Aggregate</b>	<b>Correlations Between Relative Density And Compaction Test Parameters</b>	<b>Preliminary Study of Significant Historic Buildings in Begumpura Complex, Lahore</b>	<b>Impact of Large Wood Debris (LWD) accumulation on scour characteristic at bridge pier</b>	<b>Municipal and Industrial wastewater treatment using microalgae bacterial construction</b>



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4					
<b>Authors--&gt;</b>	NADIA MALIK	NIZAKAT ALI BAHALKANI	MUHSAN ALI MARI	JUNAID FAROOQ	MEHMOOD KHAN SANGRASI
<b>Paper Title--&gt;</b>	Strength characterization of Soorh modified cement mortar	Effect of fly Ash on Consolidation Characteristics of Compacted Clay	Design and development of an efficient Standalone Solar Parabolic Dish System for Buildings Electrification	Modal Updating for a Simple Structure against Impact Loading	Design and fabrication of gravitation filter unit
5					
<b>Authors--&gt;</b>	<b>PROF. DR. KYPROS PILAKOUTAS</b>	SARFARAZ ALI ABRO	SHAFQAT HUSSAIN MEMON	AQSA MURAD	BATUL SHABBIR
		Performance of Mechanically Stabilized Earth (MSE) wall reinforced with crumb tire rubber	Building-Integrated Small Scale Standalone Solar PV-Wind Based Hybrid DC Microgrid Power System	Seismic analysis of a High-Rise building: A Case Study	Carbon nanotube membranes for water desalination and purification
<b>Paper Title--&gt;</b>	<b>Total Recycling of Tyre Components in Concrete</b>	UMAIR HUSSAIN MEMON	HEER SOOMRO	HASNAIN MUBASIT	KASHIF ALI BURIRO
		An assessment of the impact of CCA on the power parameters of Bentonite Clay	Assessment of project quality by inclusion of BIM (building information modeling) techniques and PMBOK project process.	Comprehensive Analysis of compound bridge pier under clear water conditions: An Experimental Investigation of scouring countermeasures	Impact of industrial effluent on groundwater quality of kotri industrial area
6					
<b>Authors--&gt;</b>	<b>DR. MAURIZIO GUADAGINI</b>	ALI MURTAZA	GEETA KHATRI	<b>MS. NAILA QADIR</b>	SAHEBA MEMON
		Laboratory Characterization of Sand-Tyre Rubber mixture used as bedding material for underground pipes	Adaptive Reuse Main Strategies for Heritage Building to Boutique Hotel-A Case Study of Sahib Mahal at Badin District	<b>Study of RCC Beams Damaged by Fire</b>	Remote monitoring of water quality through IOT Protocols
<b>Paper Title--&gt;</b>	<b>Seismic Strengthening of Substandard Buildings with Composite Materials</b>	KUNAL RAI	ANEES VIGHIO	SHEHRYAR AHMED	PIRAH SIYAL
		An Experimental Study of Effect of Sugarcane Bagasse Ash on the Permeability of Shale Soil	Barriers in Adoption of BIM in Construction Industry of Pakistan	Impact Resistance Investigation of Fibre Reinforced Concrete Having GFRP Rebars in Last Two Decades	Synthesis of Capsicum Annum L Capped Gold Nanoparticles and their Application in Sensor
<b>CERTIFICATE DISTRIBUTION</b>					
<b>TEA-BREAK (15:00 TO 15:15 )</b>					



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## DAY 01 – THURSDAY, DECEMBER 05, 2019 -----TECHNICAL SESSION-2 (15:15 – 16:45)

Time	Room 1 (Central library)	Room 2 (Central library)	Room 3 (Central library)	Room 4 (Central library)	Room 5 (Central library)
CONFERENCE THEME	HIGHWAY MATERIAL/ TRANSPORTATION ENGINEERING	GEOTECHNICAL ENGINEERING	CONSTRUCTION MANAGEMENT / PROJECT MANAGEMENT	STRUCTURAL ENGINEERING	CLIMATE CHANGE / DISASTER MANAGEMENT/ REGIONAL PLANNING & URBAN ENGINEERING
	<i>Session Chair:</i> <b>Dr. Abdul Sami Qureshi</b> (MUET JAMSHORO) <i>Session Secretary :</i> <b>Dr. Naeem Aziz Memon</b>	<i>Session Chair:</i> <b>Dr. Amanullah Marri</b> (NED KARACHI) <i>Session Secretary :</i> <b>Mr. Samar Ahmed Rizvi</b>	<i>Session Chair:</i> <b>Dr. Zainab Riaz</b> (LUMS LAHORE) <i>Session Secretary :</i> <b>Mr. Masroor Jatoi</b>	<i>Session Chair:</i> <b>Dr. Daddan Khan Bangwar</b> (QUEST NAWABSHAH) <i>Session Secretary :</i> <b>Ms. Aqsa Murad</b>	<i>Session Chair:</i> <b>Dr. Rizwan ul Haque Farooqui</b> (NED KARACHI) <i>Session Secretary :</i> <b>Dr. Sabeen Qureshi</b>
<b>1</b>					
<b>Authors--&gt;</b>	BAQIR ALI	ASHOK KUMAR	NADEEM SHAH	SHEHRYAR AHMED	UROOSA SOLANGI
<b>Paper Title--&gt;</b>	The Suitability of Using Reclaimed Asphalt Pavement in the Wearing Course of Flexible Pavement	Utilization of Cement content for Stabilization of Jamshoro Soil	Causes of Heat Stress and the Consequences on Construction Projects in Extreme Hot Weather: A Case Study of Sindh	Impact Resistance Investigation of Fibre Reinforced Concrete Having GFRP Rebars in Last Two Decades	Recreational Facility as Source of Human Health
<b>2</b>					
<b>Authors--&gt;</b>	ZAID KHAN	AMMAAR NOOR MEMON	IZHAR HUSSAIN BHUTTO	ABAID UR REHMAN	SANIA REHMAN
<b>Paper Title--&gt;</b>	Evolution of Pedestrian Facility within University Campus; a Case Study of MUET Jamshoro	Potential of Waste Plastic (PET) Bottles Strips as Reinforcement Material for Clayey Soil	Investigation of contemporary procurement methods in public construction projects in Pakistan	Behavior of Thin Shear Concrete Walls During Earthquakes in Last Decade	Causes of slums in urban areas of Qasimabad
<b>3</b>					
<b>Authors--&gt;</b>	ABDUL QUDOOS MALANO	LAL CHAND MARWARI	MUHAMMAD SALMAN	ABDULLAH EJAZ	NIDA QANBER ABBASI
<b>Paper Title--&gt;</b>	Laboratory Evaluation of Cold Mix Asphalt Mixtures for Low Volume Roads	Evaluation of Compaction Characteristics of A-7-5 Soil Using Dynamic Cone Penetrometer	The Implementation of Quality Management Systems in Construction Industry, Sindh	Development of empirical relation for moment capacity of a concrete Prototype Bridge Deck slab reinforced with GFRP Rebars and jute Fibres	Social Sustainability in the Streets of Walled City, Lahore



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4					
<b>Authors--&gt;</b>	<b>DR. ALI GUL QURESHI</b>	JAM MALOOK CHACHAR	SADAM HUSSAIN PANHWAR	TAJIK SHAH	JUNAID AHMED SOHOO
<b>Paper Title--&gt;</b>	<b>Vehicle Routing Problem in City Logistics</b>	Soil Stabilization by lime and brick dust	An assessment of health & safety measures at construction sites: A case study of Qasimabad & Latifabad, Hyderabad	Response of armature type infill wall panels in Intermediate Moment Resisting Frames subjected to earthquakes	Repercussions of Climate Change on Global Economy
		SHAHZEB	BABITA OAD	MEHRAN SUDHEER	MAHAM IMTIAZ
		Parametric Study of Pile Raft Foundation	An assessment of Perception of Engineering students towards Entrepreneurship incubation	Behavior of interlocking block structures under dynamic loading: A review	Carbon Dioxide Emission Trapping through Carbon Capture and Storage Technique
5					
<b>Authors--&gt;</b>	ABDUL HAFEEZ MEMON	ABDUL MUNIM SAHITO	ZEESHAN ULLAH	HAMZA ALAM KHAN	HAFIZ SULIMAN MUNAWAR
<b>Paper Title--&gt;</b>	Impact of Waste Rice Husk as Filler on Mechanical Behavior of Hot Mix Asphalt	Unconfined Compressive Strength of Jet-Grouted Columns With And Without Fibre-Reinforcement	Evaluation of Barriers and Opportunities for Integrated Management System Implementation in Construction Industry of Pakistan	Dynamics of high rise buildings in Pakistan and its sustainable approach	After the Flood: A Novel Application of Image Processing and Machine Learning for Post-Flood Disaster Management
6					
<b>Authors--&gt;</b>	BILAWAL SATHIO	MOIZ ALI	RAFIQUE REHMAN PANHWAR	MATIULLAH	MUHAMMAD BABUR
<b>Paper Title--&gt;</b>	Analysis of Road Traffic Vibration on Surrounding Buildings	Geotechnical Properties of Silty Sand Reinforced with polypropylene	Attributes Identification for Performance Level Enhancement in Supply Chain Management	Damage Detection in RC Structures for Random Input Signals Using Jerk-Energy Curvature Diagram	Assessment of climate change impact on Hydrology of Hunza River Basin
7					
<b>Authors--&gt;</b>	JAHANZAIB MALIK	MUHAMMAD ALI MORIYANI	BUSHRA DANISH TALPUR	FAREED ULLAH	
<b>Paper Title--&gt;</b>	Comparable Study of Semi-Flexible Pavement with Variable Grouts (Cement Vs Hydrated Lime)	A Comparative Study of various Limit Equilibrium Methods (LEMs) and Finite Element Method (FEM) for Slope Stability Analysis using Geo-Studio-2016	Analysis of the environmental impacts of building using life cycle assessment approach: A case study of an institutional building in Pakistan	A review on replacement of steel with GFRP rebars in fiber reinforced concrete eccentric rectangular columns	
8					
<b>Authors--&gt;</b>	JAZIB BASHIR			ABDUL QADIR	
<b>Paper Title--&gt;</b>	Effect Of Waste Polyethylene Bags On Bitumen And Asphalt			Retrofitting Of An Existing Industrial Building	
<b>CERTIFICATE DISTRIBUTION</b>					
<b>GALA DINNER AND MUSICAL NIGHT (19:00 TO 22:00)</b>					



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2<sup>ND</sup> DAY FRIDAY, DECEMBER 06, 2019

DAY 02 – FRIDAY, DECEMBER 06, 2019 -----TECHNICAL SESSION-1 (09:00 – 11:00)

Time	Room 1 (Central library)	Room 2 (Central library)	Room 3 (Central library)	Room 4 (Central library)	Room 5 (Central library)
CONFERENCE THEME	CONCRETE ENGINEERING	ENVIRONMENTAL POLLUTION & CONTROL	GREEN ENGINEERING / GREEN ENERGY TECHNOLOGY	WATER RESOURCE ENGINEERING AND MANAGEMENT	WATER & WASTEWATER ENGINEERING AND TECHNOLOGY
	<i>Session Chair: Dr. Fareed Memon (MUET JAMSHORO) Session Secretary : Mr. Azizullah Jamali</i>	<i>Session Chair: Dr. Abdul Razzaque Sahito (MUET JAMSHORO) Session Secretary : Dr. Amanullah Mahar</i>	<i>Session Chair: Dr. Zaheer Almani (MUET JAMSHORO) Session Secretary: Ms. Raheela Laghari</i>	<i>Session Chair: Dr. Ashfaque Ahmed Memon (MUET JAMSHORO) Session Secretary : Ms. Shamotra Oad</i>	<i>Session Chair: Dr. Imdad Ali Kandhar (MUET Jamshoro) Session Secretary: Mr. Sajjid Hussian</i>
1					
Authors-->	ALI AIZAZ DAYO	AMMARA KAYNAT	<b>Engr. Naseer Memon</b>	MUHAMMAD SALEEM RAZA	RAZA SAEED
Paper Title-->	Effect of Sugarcane Bagasse Ash as Fine Aggregates on the Flexural Strength of Concrete	Investigation On Clinical Wastage Issues of Hyderabad City	<b>Paving the way towards sustainable world</b>	Current State of Darawat Dam Irrigation Network and Measures for its Rehabilitation	Performance evaluation of ceramic clay pitcher for arsenic removal from groundwater
2					
Authors-->	ZUBAIR HUSSAIN SHAIKH	AMMARA KAYNAT	ASMA QAYOOM	MUHAMMAD AHSAN ARAIN	MUHAMMAD AREEB
Paper Title-->	An Investigation on Mechanical Properties of Concrete Reinforced With Nylon Fibers	Conducting a Study to tackle the issue of plastic shopping bags- A call for Green Environment- A Case study of Hyderabad	To Investigate Thermal Effectiveness of Green Roofs At Hyderabad	Qualitative and Quantitative Demarcation; and Impact of Groundwater on Farming Community	Arsenic Removal from drinking water by Modified Chitosan Beads (MCB) extracted from shrimp waste
3					
Authors-->	ASIF NAZIR	<b>Dr. Amanullah Mahar</b>	TOUQEER RAZA LAGHARI	SHAMOTRA OAD	ASADULLAH
Paper Title-->	Comparative Study of Reinforced Cement Concrete and Prestressed Concrete	<b>Environmental Issue and Problems in Sindh</b>	Design and Fabrication of a Pyrolysis Reactor for Production of oil by using Waste Plastic	Evaluation of Irrigation Efficiencies by using Modelling Approaches	Methane generation potential from wastewater using anaerobic rotating biological contractor (RBC)



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4					
<b>Authors--&gt;</b>	SANDEEP NANGDEV	SIDRA QADIR	SADIA TARIQ	MUHAMMAD AWAIS	ASHIQUE HUSSAIN KALYAR
<b>Paper Title--&gt;</b>	The Effect of Water Quality on workability of the Concrete	Effect of Septic tank Effluent on the Quality of Groundwater	Solar Energy and Its Thermal Application: A Case Study of Pakistan	Assessing the Effectiveness of Polymers as a Sealant Material to Control the Seepage Losses in Earthen Channels	Bio methane Production from Food Waste and Sewage Sludge Using Microbial Fuel Cell
5					
<b>Authors--&gt;</b>	TANVEER AHMED KHAN	IKIRSHA JOKHIO	WAQAR AHMED UNAR	ALI RAZA	Munir Abbas
<b>Paper Title--&gt;</b>	Effect on Mechanical Properties of Concrete by Partial Replacement of Cement with Marble Powder and its Cost Effectiveness	Stabilization & Optimization of Sewage Sludge in CSTR for Anaerobic Co-digestion of Banana Plant Waste & Sewage Sludge	Effect of Jute Fiber on Strength Behavior of Bentonite	Determination of Groundwater Quality through Vertical Electrical Sounding and its Demarcation using ArcGIS-A case study of Tando Allahyar-II Distributary Command Area	Removal of naphthalene and anthracene from surface water of Hyderabad using graphene oxide
6					
<b>Authors--&gt;</b>	ASIF RAZA	SHAHNAWAZ DAHRI	SAADAT KHOKHAR	HAFIZ MUHAMMAD AAMIR	NANIK NANDAANI
<b>Paper Title--&gt;</b>	Effect of Crushed Over-burnt Brick on the Compressive Strength of Concrete by Partially Replacing Coarse Aggregate	Assessment of Heavy Metals in Poultry Feed of Hyderabad, Sindh	Thermodynamic Analysis of Combined Cooling and Power (CCP) System Operated by IC Engine Waste Heat	Experimental Investigation for Discharge Coefficient of an Embankment Weir Using Smooth and Vegetated Embankments	Selenium removal from water using bimetallic nanoadsorbent
7					
<b>Authors--&gt;</b>	ZEESHAN ULLAH	MEHR-UN-NISA QURESHI	MOHAMMAD WAQAS CHANDIO	JAHANZEB ANSARI	ABDUL QAYOOM LAKHAN
<b>Paper Title--&gt;</b>	Evaluation of Properties of Concrete by Using Marble Dust as Partial Replacement of Sand	Stabilization of 1:1 ratio of Buffalo Dung and Water in CSTR for Anaerobic Co-digestion of Banana Plant Waste and Buffalo Dung	Waste heat utilization for power generation using organic Rankine cycle (ORC)	Determination of Aquifer Characteristics in the Command of Muhammad Khan Distributary Using AQTESOLV	Removal efficiency of heavy metals through modified jute fiber adsorbent
8					
<b>Authors--&gt;</b>	MUHAMMAD BILAL	ZAFAR BALOCH	WAQAR NISAR	SHAKEEL AHMED	MOTI RAM
<b>Paper Title--&gt;</b>	Effect of effective micro-organism on temperature variation in concrete	Proposal of a Mobile Ecosystem for Efficient Collection of Municipal Solid Waste	Simulation for Heat Gain Rate through Window Glazing in Hyderabad, Pakistan	Hydro-dynamic modelling of Curved Open Channel Using iRIC Software	Effects of pesticides on the quality of shallow groundwater in the suburbs of Hyderabad city
9					
<b>Authors--&gt;</b>	SUHAIL ZAFFAR	SADIA TARIQ	MASROOR ALI PANHWAR	ABDUL REHMAN KORI	IRFAN KAMBOH
<b>Paper Title--&gt;</b>	Strength Variation in Structure Concrete Made With Coarse Aggregate Available in the Vicinity of Karachi	Integrated Solid Waste Management System in Karachi	Multi Objective Modelling of Biomass Supply Chain in Karachi Cattle Colony Considering Economic, Environmental and Social Aspects	Groundwater Demarcation of Seri Distributary Command Area	Assessment Of Sugar Mills Effluents On Lbod System Through Gis And Hec Rus Modeling





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<b>10</b>					
<b>Authors--&gt;</b>	USAMA SHARAFAT	SANJAY KUMAR	SHUNAIID AHMED	DR. KANYA LAL KHATRI	SADAM HUSSAIN KOONDHAR
<b>Paper Title--&gt;</b>	Fresh and Hardened Properties of Self-Curing Concrete and Its Comparison with Conventional Concrete	Remote Monitoring of Air & Noise Pollution Through Android Application	Developing a Green Building Assessment Criteria for Construction Industry in Pakistan	Optimization of irrigation releases for proposed Nai Gaj Dam	Groundwater Fluctuation and Its Excessive Usage for Irrigation in the Command Area of Muhammad Khan Distributary
<b>11</b>					
<b>Authors--&gt;</b>	ABDUL WAHAB ABRO	FARWA SHAH	BUSHRA HASSAN	ADNAN AHMAD	ABDUL MANAN ANSARI
<b>Paper Title--&gt;</b>	An Investigation on Compressive Strength of Concrete Blended with Groundnut Shell Ash	Use of Biosensor Technology in Bacterial Detection	Potassium based Calcium Oxide Catalyst synthesis for efficient transesterification of Waste cooking oil	Evaluation of Water Losses in Unlined Canal: A Case Study of Malik Branch Canal, Bahawalnager, Pakistan	Innovation to enhance efficient and sustainable use of irrigated land
<b>12</b>					
<b>Authors--&gt;</b>		FAIZA ASHRAF	AMMARA KAYNAT	HAMID ALI	
<b>Paper Title--&gt;</b>		Waste stabilization of ponds	Green Roof Concept- Need of Hour for Healthy Environment	Evaluation of Limitations of Rational method for Runoff Calculation for Urban Areas of Islamabad	
<b>13</b>					
<b>Authors--&gt;</b>			FARIA BALOCH	ZUBAIR AHMED	
<b>Paper Title--&gt;</b>			Strategies to follow for making a Building Green	Identification Of Groundwater Quantum And Quality And Its Demarcation: A Case Study Of Muhammad Khan Distributary Command Area	

**CERTIFICATE DISTRIBUTION**

**TEA-BREAK (11:00 TO 11:20)**



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## DAY 02 – FRIDAY, DECEMBER 06, 2019 -----TECHNICAL SESSION-2 (11:30 – 13:30)

Sessions	Room 1 (Central library)	Room 2 (Central library)	Room 3 (Central library)	Room 4 (Central library)
Conference Theme	MATERIAL ENGINEERING /GEOTECHICAL ENGINEERING	WATER & WASTEWATER ENGINEERING AND TECHNOLOGY	BUILDING INFORMATION MODELING / BUILDING TECHNOLOGY	CONCRETE ENGINEERING/ CONSTRUCTION MANAGEMENT / PROJECT MANAGEMENT
	<i>Session Chair:</i> <b>Prof. Dr. Rafique Ahmed Jhatial</b> (MUET JAMSHORO) <i>Session Secretary :</i> <b>Dr. Iftikhar Ali Sahito</b>	<i>Session Chair:</i> <b>Dr. Raja Umer Sajjad</b> (SINDH MADRESSATUL ISLAM KARACHI) <i>Session Secretary :</i> <b>Dr. Ghulam Mujtaba</b>	<i>Session Chair:</i> <b>Dr. Mohsin Soomro</b> (QUEST Nawabshah) <i>Session Secretary :</i> <b>Dr. Irfan Ahmed Memon</b>	<i>Session Chair:</i> <b>Dr. Aftab Hameed Memon</b> (QUEST Nawabshah) <i>Session Secretary :</i> <b>Mr. Abdul Raqeeb Memon</b>
1				
Authors-->	FARAH ISHAQUE	NIDA MAQBOOL	FARHAN SHAHID	ASADULLAH MEMON
Paper Title-->	Indigenous Natural Indigo Dye for Denim Industry	Magnetic Nanoparticles (MNPs) for chromium removal from Industrial Wastewater	A stepped wise Approach and Barriers towards Implementation of BIM Toolkits for Infrastructure Projects in Pakistan	Comparative Study of the Compressive Strength of concrete by Partially Replacing Coarse Aggregate with Coconut Shell Aggregate
2				
Authors-->	NOMAN JUNEJO	MOHAMMAD ALI QAZI	MOHSIN ALI	SANTOSH KUMAR MEGHWAR
Paper Title-->	Environmentally-Friendly Dyeing of Cotton Yarn with Natural Indigo Dye	Water quality analysis of private filter plants of latifabad Hyderabad	Cost Analysis of Green Building and Conventional RCC Building Through BIM	Use of Sugarcane Bagasse Ash as Cement Replacement Materials in Concrete
3				
Authors-->	MUHAMMAD HASSAN	ABDUL AZIZ CHAN	AYAZ AHMED BABAR	SUBASH KUMAR WADHWANI
Paper Title-->	Numerical Simulation for fluid flow analysis of a wavy aircraft wing	Development of IOT based dual chamber microbial fuel cell for wastewater treatment and power generation	Barriers for Better Integration Management: A Case of Construction Industry	Mechanical Properties of Rubber Fibre Reinforced Concrete



# INTERNATIONAL CONFERENCE ON SUSTAINABLE DEVELOPMENT IN CIVIL ENGINEERING

## ICSDC-2019

05<sup>TH</sup> – 07<sup>TH</sup> DECEMBER 2019



### MEHRAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY JAMSHORO

4				
<b>Authors--&gt;</b>	FARHAN HAIDER	RIAZ AHMED	ASIA JABEEN	FAISAL IQBAL
<b>Paper Title--&gt;</b>	Exploring Productivity Enhancement Option For Pulp And Paper Industry In Paistan	Photo degradation of diclofenac from water using Photo catalyst	The Spatial Analysis of Fractal Geometry in Mughal Architecture: A case of Wazir Khan Mosque Lahore, Pakistan	Risks, Challenges, Benefits and Opportunities Associated with Bot Projects in Pakistan: A Case Study on M-9 Motorway Project
5				
<b>Authors--&gt;</b>	PRIH LAILA	MUHAMMAD WALEED	ZEEZHAN ULLAH	SAEED AHMED
<b>Paper Title--&gt;</b>	Effect of Date Palm Fiber on the Engineering Properties of Expansive Jamshoro Shale	Development of microbial desalination cell with modified Graphite paste electrode for the generation of Electricity and salt removal	Evaluation and Improvement of Performance of Damp Proof Course in Residential Buildings	Developing Conceptual Framework to Improve the Efficiency of Disputes Avoidance in Public Sector Road Projects in Pakistan Construction Industry
6				
<b>Authors--&gt;</b>	FARHAN KHOWAJA	SHAKEEL AHMED JAMALI	AFSHAN SIDDIQUI	
<b>Paper Title--&gt;</b>	To determine the Strength properties of Cement mortar Cylinder reinforced with "PET" bottle bricks.	Removal of pesticides from water through electrocoagulation unit using stainless steel and iron electrodes	Building Information modeling 4D integration of residential building using BIM, Primavera 6 and Power Project "A case study of Non-MPT Residence Building -JHANG"	
7				
<b>Authors--&gt;</b>		YUDDHSTAR	SANA YOUNAS	
<b>Paper Title--&gt;</b>		Fabricating and evaluating the antibacterial susceptibility of Nano fibers sheets incorporated with ceftriaxone	Formulation of a framework for community participation in conservation of built heritage in Pakistan: a case study of Walled City Lahore	
8				
<b>Authors--&gt;</b>		ABDUL MUBEEN	ASHFAQUE AHMED BALOCH	
<b>Paper Title--&gt;</b>		Microbial Fuel Cell with Carbon Composite Coated Flexible Electrode	Simulation Tools usage in Building's Indoor Artificial Lighting	
<b>CERTIFICATE DISTRIBUTION</b>				
<b>PRAYER BREAK (13:30 TO 14:15)</b>				
<b>LUNCH BREAK (14:15 TO 15:00)</b>				



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<b>CONCLUDING CEREMONY</b>				
<b>MAIN AUDITORIUM- MEHRAN UET JAMSHORO</b>				
<b>Time</b>		<b>Program Schedule</b>		
<b>From</b>	<b>To</b>	<b>Activity</b>	<b>Name</b>	<b>Affiliation &amp; Designation</b>
15:00	15:05	Guests to be seated	Guests to be seated	Guests to be seated
15:05	15:10	Recitation (Holy Quran)	Mr. Hafiz Asim Ali Memon	Department of Civil Engineering
15:10	15:20	Conference Recommendations	Dr. Sheeraz Ahmed Memon	Conference Secretary
15:20	15:30	Concluding Speech by Vice Chancellor Chief Guest	Prof. Dr. Mohammad Aslam Uqaili	Vice Chancellor, Mehran University of Engineering & Technology, Jamshoro, Pakistan
15:30	15:55	Certificate Distribution to Organizer/Participants		
15:55	16:00	Vote of Thanks	Prof. Dr. Tauha Hussain Ali	Pro-Vice Chancellor MUET
<b>TEA-BREAK (16:00 TO 16:30 )</b>				
<b>DAY 03 – SATURDAY, DECEMBER 07, 2019</b>				
<b>FIELD VISIT (08:30 TO 16:30)</b>				