



**U.S.-Pakistan Centers for Advanced Studies in Water
Mehran University of Engineering & Technology, Jamshoro**



**International Conference on Environmental Sustainability 2022
03 - 04 March 2022**

Day-1: Thursday, 3rd March 2022

9:00	9:45	Registration	
INAUGURAL SESSION			
9:45	10:00	Guests to be seated	
10:00	10:05	Recitation from the Holy Quran	
10:05	10:15	Prof. Dr. Rasool Bux Mahar	(Director, USPCASW)
10:15	10:25	Prof. Dr. Kamran Ansari	(Conference Convener, USPCASW)
10:25	10:35	Prof. Dr. M. Aslam Uqaili	(Former Vice Chancellor, MUET)
10:35	10:45	Prof. Dr. Tauha Hussain Ali	(Vice Chancellor, MUET)
10:45	11:00	Mr. Muhammad Mureed Rahimoon	(Secretary, Universities & Boards Department)
11:00	11:10	Dr. Shaikh Tanveer Ahmed	(Chief Executive, HANDS)
11:10	11:15	Presentation of Souvenirs	
11:15	11:45	Tea & Networking	
PLENARY SESSION - I (Auditorium)			
Session Chair		Dr. Zeeshan Khatri	
Session Co-chair		Ms. Uzma Imran	
Time	Speaker	Organization	Title of Talk
11:45	12:05	Deputy Head Medico International Germany	The Impact of Interventions for "Lighting Lives in Pakistan, & Water for Life. Reduction of the Local CO2 Emission and Support to the Rural Health Program.
12:05	12:25	National Center of Excellence in Analytical Chemistry, UoS	Sustainable Strategy to Control the Land Pollution
12:25	12:45	Co-founder, Urban Innovation, Islamabad	Sustainable cities under Climate Change
12:45	13:00	Questions & Answers Session	
13:00	13:10	Souvenir and Shield Distribution	
13:10	14:10	Lunch Break/Prayers	
TECHNICAL SESSIONS			
Technical Session 1 (A) - Auditorium		Water & Wastewater Treatment	
Session Chair		Dr. Zubair Ahmed	
Session Co-chair		Dr. Syed Sara Hassan	

14:10	14:20	Satesh Kumar Devrajani	USPCAS-W	Water Treatment Plant Design for the City of Mithi, Tharparkar
14:20	14:30	Syed Wamiq Ali	NED	Design and fabrication of microbial fuel cell for secondary treatment of industrial waste water
14:30	14:40	Rabeea Zafar	NUST	Comparative analysis and effect of ethylenediaminetetraacetic acid (EDTA) and diisopropanolamine (DIPA) on antibiotic resistant bacteria
14:40	14:50	Bakhtawar Pirzada	USPCAS-W	The Disinfectant Properties of Suspensions of Herbal Extracts with Tannic Acid: An Antibacterial Study Against Escherichia Coli and Staphylococcus Aureus
14:50	15:00	Sadaf Tagar	USPCAS-W	Microbial Assessment of Water, Meat, and Meat Contact Surfaces for the Presence of Hygiene Indicator Bacteria and Antibiotic Resistance Salmonella
15:00	15:10	Tamt-ul-Nisa	USPCAS-W	Total Organic Carbon Removal from Formaldehyde containing wastewater through Electrocoagulation
15:10	15:20	Shield and Certificate Distribution		
Technical Session 1 (B) - Conference Room			Water Resource Management & Geohazard	
Session Chair		Dr. Abdul Latif Qureshi		
Session Co-chair		Dr. Arjumand Zaidi		
14:10	14:20	Farah Diba		Rainwater harvesting in Semi-Arid Areas of Karachi
14:20	14:30	Ali Raza Mallano	USPCAS-W	Assessment Of Suitability Of Groundwater Quality For Drinking And Irrigation Purposes, And Its Impact On Soil Fertility Of Muhammad Khan Distributary Command Area
14:30	14:40	Sohail Kibria	NESPAK, Lahore	Geohazards Induced by Earthquakes and Their Mitigation
14:40	14:50	Abdul Rehman Kori	USPCAS-W	Hydrodynamic Groundwater Study of Muhammad Khan Distributary Command, the Sub-Region of LIB, Sindh, Pakistan
14:50	15:00	Rabia Liaquat Ali	USPCAS-W	Hydrological Modeling of Pishin-Lora Water Basin, Balochistan
15:00	15:10	Jasra Rehman	USPCAS-W	Automated processing of satellite data to map temporal water extents and water surface levels at Tarbela Reservoir using ArcGIS Model Builder
15:10	15:20	Noman Irshad	USPCAS-W	Soil Salinity Mapping of District Badin using Remote Sensing Techniques
15:20	15:30	Shield and Certificate Distribution		
15:30	16:00	Tea & Networking		
Technical Session 2 - Auditorium			Solid Waste Recycling	
Session Chair		Dr. Abdul Razaque Sahito		
Session Co-chair		Dr. Muhammad Safar Korai		
16:00	16:10	Engr. Fahad Saleem	NESPAK Private Limited	Comparative study of windrow and in-vessel composting of solid waste (A Cost Effective Recycling and Reuse Strategy)
16:10	16:20	Dr. Tanveer Ahmed Gadhi	USPCAS-W	Production of Standard Quality Biofertilizer from Underutilized Waste Biomass for Crop and Land Application
16:20	16:30	Dr. Tanveer Ahmed Gadhi	USPCAS-W	Controlled Carbonization of Agriculture Waste to Produce Standard Biochar
16:30	16:40	Mr. Najeebullah Channa	USPCAS-W	Sustainable Handling of Textile Wastewater Sludge Through Organic Waste Co-Digestion and the Biogas Production
16:40	16:50	Shield and Certificate Distribution		
19:00	22:00	Conference Dinner		

DAY-2: Friday, 4th March 2022

PLENARY SESSION - II (Auditorium)				
Session Chair		Prof. Dr. Kamran Ansari		
Session Co-chair		Ms. Maliha Abbas Zaidi		
Time	Speaker	Organization	Title of Talk	
9:00	9:20	Dr. Awais Khatri	Textile, MUET	Sustainable Manufacturing
9:20	9:40	Dr. Zubair Ahmed	USPCAS-W	Sustainable industrial growth through Eco innovation
9:40	10:00	Dr. Syed Imran Ahmed	NED	Climate change & WEF Nexus
10:00	10:15	Questions & Answers Session		
10:15	10:30	Souvenir and Shield Distribution		
10:30	11:00	Tea and Networking		

TECHNICAL SESSIONS				
Technical Session 3 (A) - Auditorium			Water & Wastewater Treatment	
Session Chair		Dr. Naveed Ahmed		
Session Co-chair		Dr. Muhammad Rizwan		
11:00	11:10	Ghazanfar Mujtaba	USPCAS-W	Assessment of groundwater quality of Tando Allahyar-II distributary command area
11:10	11:20	Mehran Ali Qureshi	USPCAS-W	Biosynthesized gold/titanium oxide (Au/TiO ₂) metal/metal oxide nanoparticles and their photocatalytic
11:20	11:30	Zohaib Ali	USPCAS-W	A review of the Oil and water separation by using modified membranes
11:30	11:40	Mr. Najeebullah	USPCAS-W	Treatment of Reverse Osmosis Membrane Reject Water through Combined Adsorption Distillation technique
11:40	11:50	Noor-un-Nisa Ghanghro	USPCAS-W	Eco-friendly remedy against clarithromycin-resistant and sensitive bacteria isolated from tap-water
11:50	12:00	Shield and Certificate Distribution		
Technical Session 3 (B) - Conference Room			Green Building Infrastructure	
Session Chair		Dr. Abdul Khaliq Ansari		
Session Co-chair		Dr. Sheeraz Ahmed Memon		
11:00	11:10	Khubaib Zafar		An analysis of rooftop solar photovoltaic potential and carbon emissions reduction
11:10	11:20	Saddam Hussain	CECOS	A step towards improving energy efficiency in residential buildings of kp, in the light of national energy
11:20	11:30	Azadi Memon		(Green Energy) Future to sustainability; Power Generation through Piezoelectricity.
11:30	11:40	Ateeq-ur-Rehman	Developex Engineering in Construction	Important Aspects for Environment Sustainability
11:40	11:50	Saima Gulzar	School of Architecture & Planning, Lahore	Exploring the concept of sustainability in architectural practices of Pakistan

11:50	12:00	Sania Rehman Memon	Architecture, MUET	Innovative Architecture and Industrialization Building System in Construction Industry of Pakistan
12:00	12:10	Saima Gulzar	School of Architecture &	Evaluation of the regional context to achieve the cost effectiveness: A study of residences in Uch Sharif,
12:10	12:20	Shield and Certificate Distribution		
CLOSING SESSION				
12:00	12:05	Conference Report		Prof. Dr. Kamran Ansari
12:05	12:15	Recommendations of the Conference		Prof. Dr. Rasool Bux Mahar
12:15	12:25	Speech by Vice Chancellor		Prof. Dr. Tauha Hussain Ali
12:25	12:40	Speech by Chief Guest		Senator Nisar Memon (Chairman, WEF)
12:40	12:50	Speech by Project Director, Tearfund		Ms. Sumayya Sajjad (Project Director, tearfund)
12:50	13:00	Vote of Thanks		Prof. Dr. Khan Muhammad Brohi (Dean, Faculty of Architecture & Civil Engineering, MUET)
13:00	13:30	Lunch/Prayers		