



4th International Conference on Emerging Trends in Earth and Environmental Sciences

“ETEES 2023” Program

December 4-6, 2023

Organized by

**COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES (CEES)
University of the Punjab Lahore, Lahore-54590, Pakistan**

DAY 1: MONDAY, DECEMBER 4, 2023 “ETEES-2023”

OPENING CEREMONY

AT

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES (CEES)

University of the Punjab Lahore, Lahore-54590, Pakistan

Registration		09:00 AM
Opening Ceremony:	Recitation from the Holy Quran	10:30 AM
Welcome Address:	Dr. Abdul Qadir College of Earth and Environmental Sciences (CEES)	10:40 AM
Plenary Talk I:	Prof. Dr. Matthias Liess UFZ - Helmholtz-Zentrum für Umweltforschung GmbH Leipzig, Deutschland	10:50 AM
Plenary Talk II:	Dr. Mumtaz Cheema Associate Vice President, Research and Graduate Studies, Grenfell Campus (Interim), MUN. Canada	11:10 AM
Plenary Talk III:	Dr. Sonja Knutson Director, Internationalization Office, MUN. Canada	11:40 AM
Plenary Talk IV:	Dr. April Pike Dean Faculty of Nursing, MUN. Canada	12:00 PM
Address by Guest of Honor:	Mr. Zaheer Abbas Malik Director General, Environmental Protection Department	12: 20PM
Address by Chief Guest:	Syed Wasi Shah State Minister for Tourism, Government of Pakistan	12: 40 PM
Address by Vice Chancellor:	Prof. Dr. Khalid Mahmood University of the Punjab, Lahore	01: 00 PM
Vote of Thanks:	Prof. Dr. Sajid Rashid Ahmad Principal, College of Earth and Environmental Sciences (CEES)/ Dean, Faculty of Geosciences	01: 20 PM

--- LUNCH AND PRAYER ---

01:20 PM – 02:00 PM

DAY-1: MONDAY, DECEMBER 4, 2023
TECHNICAL SESSION-I (02:00 P.M. – 04:00 P.M)

HALL - A	HALL - B	HALL - C	HALL - D
SUSTAINABLE DEVELOPMENT AND TOURISM (SDT)	REMOTE SENSING & GIS APPLICATIONS (RS&GIS)	HUMAN AND ENVIRONMENTAL HEALTH (HEH)	AIR AND WATER SCIENCES (AWS)
Session Chair: <i>Prof. Dr. Abdullah Yasar</i> Session Co-Chair: <i>Dr. Abdul Sattar Nizami</i>	Session Chair: <i>Prof. Dr. Shahid Ghazi</i> Session Co-Chair: <i>Dr. Arooj Saeed</i>	Session Chair: <i>Prof. Dr. Arifa Tahir</i> Session Co-Chair: <i>Dr. Muhammad Ashraf Bodla</i>	Session Chair: <i>Dr. Asif Khan / Dr. Ghulam Zakir Sial</i> Session Co-Chair: <i>Dr. Sonia Munir / Dr. Rizwan Rasheed</i>
Session Coordinator <i>Mr. Muhammad Dastgeer</i>	Session Coordinator <i>Dr. Muhammad Asif Javed</i>	Session Coordinator <i>Dr. Mehvish Mumtaz</i>	Session Coordinator <i>Ms. Zahra Majid</i>
<u>Keynote Talk</u> AI ETHICS AND EARTH: NAVIGATING THE FUTURE OF ENVIRONMENTAL SCIENCE WITH UNESCO" <i>Shahbaz Khan</i>	GEOSPATIAL APPROACH FOR FLOOD DAMAGE ASSESSMENT IN LOWER INDUS PLAINS 2022 <i>Somia Ashraf, Isma Younes</i>	<u>Keynote Talk</u> HALOPHYTES: A SUSTAINABLE APPROACH TO ADDRESS SOIL SALINIZATION BY ESTIMATION OF PHYTOREMEDIATION AND FORAGE QUALITY <i>Ghulam Hassan Abbasi and Muhammad Ali</i>	<u>Keynote Talk</u> MANAGED AQUIFER RECHARGE (MAR) – AN OPTION FOR DEPLETING GROUNDWATER RESOURCES IN PUNJAB, PAKISTAN <i>Ghulam Zakir-Hassan, J F. Punthakey, Ghulam Shabir</i>
<u>Keynote Talk</u> IMPLEMENTING ZERO WASTE AND CIRCULAR ECONOMY PRINCIPLES IN DEVELOPING NATIONS <i>Abdul-Sattar Nizami</i>	THE ROLE OF GEOINFORMATICS IN COMBATING COVID-19 AND SURGING CRITICAL CARE CAPACITY IN LAHORE <i>Saria Batool, Faiza Sarwar & Jamil H Kazmi</i>	<u>Keynote Talk</u> MAN AND THE ENVIRONMENT <i>Imtiaz Ahmad</i>	<u>Keynote Talk</u> FLOOD FLOW MODELING AND EXTENT OF FLOODING ALONG RAVI RIVER AT RAVI URBAN DEVELOPMENT AUTHORITY (RUDA) PROJECT NEAR LAHORE CITY <i>Ifrikhar Ahmad, Sajid Rasheed Ahmad</i>
SITES IMPACT ANALYSIS ON THE URBAN ENVIRONMENT OF KARACHI METROPOLITAN <i>Anila Kausar, Ambreen Afzal,, Owais Iqbal Khan, Asad Maqsoom, Ghuffran Saeed, Viola Vambol,, Sergij Vambol</i>	ANALYSIS OF LAND USE LAND COVER VARIATIONS AND AFFORESTATION BILLION TREE TSUNAMI PROGRAM IN LOWER DIR <i>Muhammad Waleed, Muhammad Asif Javed2, Sajid Rashid Ahmad, Wasim Ullah</i>	STUDY OF BIOCHEMICAL INDICES IN DIABETIC AND NON-DIABETIC POPULATION OF DISTRICT SWABI KHYBER PAKHTUNKHWA PAKISTAN <i>Aisha Bibi, Mehreen Riaz, Abdul Wahab</i>	COMPARATIVE STUDY OF DIFFERENT KILN TECHNOLOGIES, POLLUTION CHARACTERIZATION, AND AIR DISPERSION MODELLING IN LAHORE AND ITS NEIGHBORHOOD <i>Soniya Munir</i>
INTEGRATION OF FAITH AND ENVIRONMENT: A PRAGMATIC APPROACH <i>Ali Muhammad Bhat</i>	PROSPECTS & EVALUATION OF PENOBSCOT, NOVA SCOTIA, CANADA BY USING THE ADVANCE ATTRIBUTES AND MACHINE LEARNING <i>Khlieeq Ul Zaman, Rani Ummay Farwa, Muhammad Hamza1, Hassan Ali, Muhammad Zubair Siddiqui, Usman Zaka, Syed Haroon Ali</i>	ASSESSMENT OF WORK RELATED PULMONARY HEALTH STATUS OF BRICK KILN WORKERS IN DISTRICT GUJRANWALA <i>Muhammad Irtaza Fawad Rehan, Mohsin Abbas</i>	FLOOD FLOW MODELING AND EXTENT OF FLOODING ALONG RAVI RIVER AT RAVI URBAN DEVELOPMENT AUTHORITY (RUDA) PROJECT NEAR LAHORE CITY <i>Ifrikhar Ahmad, Sajid Rasheed Ahmad</i>

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SUSTAINABLE DEVELOPMENT AND TOURISM (SDT)	REMOTE SENSING & GIS APPLICATIONS (RS&GIS)	HUMAN AND ENVIRONMENTAL HEALTH (HEH)	AIR AND WATER SCIENCES (AWS)
<p>ENVIRONMENT PROTECTION POLICY IN DEVELOPING ECONOMIES UNDER COP27 DEBT FOR CLIMATE SWAP FUNDING</p> <p><i>Umar Suffian Ahmad , Saeed Ur Rehman ; Zia Ur Rehman ; Muhammad Shahzad Anwer</i></p>	<p>GEOSPATIAL APPROACH FOR FLOOD DAMAGE ASSESSMENT IN LOWER INDUS PLAINS 2022</p> <p><i>Somia Ashraf, Isma Younes</i></p>	<p>ASSESSMENT OF ESCHERICHIA COLI AND TOTAL DISSOLVED SOLIDS IN GROUNDWATER OF URBAN AND SEMI-URBAN REGIONS OF QUETTA VALLEY, BALOCHISTAN</p> <p><i>Faryal Abdul Qadir, Malik Muhammad Akhtar, Jamal Khan</i></p>	<p>STUDY OF PHYSICO-CHEMICAL PARAMETERS OF RIVER PANJKORA, DISTRICT DIR LOWER, KHYBER PAKHTUNKHWA, PAKISTAN.</p> <p><i>Abdul Wahab, Mehreen Riaz</i></p>
<p>OPTIMIZING SALT USAGE FOR EFFICIENT CHLOR ALKALI PRODUCTION AND ITS ENVIRONMENTAL IMPACT IN UNDER-DEVELOPED COUNTRIES: A PROPOSAL FOR IMPROVED SALT MEASURING TECHNIQUES AND ENVIRONMENTAL HAZARDS.</p>	<p>SPATIOTEMPORAL ASSESSMENT URBAN SPRAWL AND GREEN SPACES: A CASE STUDY OF METROPOLITAN OF PAKISTAN</p> <p><i>Rimsha Azhar, Silvia Machado, Asif Javed</i></p>	<p>STREAM FLOW AND RIPARIAN WATER TABLE OF A SPRING-CREEK IN THE CANADIAN ROCKIES ARE CONSTRAINED BY BEAVER DAM ANALOGUES</p> <p><i>Tariq M. Munir Cherie J. Westbrook</i></p>	<p>EVALUATION OF GLOBAL GRIDDED EVAPOTRANSPIRATION DATASETS ACROSS THE UPPER INDUS BASIN, PAKISTAN BY USING REMOTE SENSING AND GIS</p> <p><i>Haidar Ali, Muhammad Yaseen, Syed Umair Shahid, Yasir Latif And Sohail Abbas</i></p>
<p>SURFACE WATER ANALYSES FOR TARGETED WATER-BORNE PATHOGENS AND MICROBIAL SOURCE TRACKING FOR FECAL INDICATOR BACTERIA IN PAKISTAN</p> <p><i>Sadaf Tagar, Naveed Ahmed Zubair Ahmed And Rasool Bux Mahar</i></p>	<p>MONSOON 2022 FLOODS AND ITS IMPACTS ON AGRICULTURE LAND USING GEOSPATIAL APPROACHES A CASE STUDY OF KHYBER PAKHTUNKHWA PROVINCE PAKISTAN</p> <p>Muhammad Ali1, Abid Sarwar1-2, Hazia Gulzar1-2, M. Akmal Sardar Ali1-2, M. Ismail Khan1</p>	<p>SPATIO-TEMPORAL VARIATIONS IN ABUNDANCE AND DIVERSITY OF PHYTOPLANKTON IN MANGROVE HABITAT ALONG KARACHI COAST</p> <p><i>Iqra Malik, Zaib-Un-Nisa Burhan, Irfana Qadir and Seema Shafique</i></p>	<p>INTEGRATED LAND AND WATER RESOURCES MANAGEMENT FOR FOOD SECURITY AND ENVIRONMENTAL SUSTAINABILITY IN QUETTA REGION PAKISTAN</p> <p><i>Shah Muhammad, Muhammad Yaseen, Syed Umair Shahid, Yasir Latif And Sohail Abbas</i></p>
<p>PROCRASTINATION IN THE IMPLEMENTATION OF INCLUSIVE EDUCATION: EXITING SCENARIOS AND PREPAREDNESS OF EDUCATION SYSTEM AT VARIOUS LEVELS IN PUNJAB</p> <p><i>Fauzia Khursheed</i></p>	<p>GIS-DRASTIC INTEGRATED TECHNIQUE FOR GROUNDWATER VULNERABILITY ASSESSMENT UNDER SEMI-ARID TO ARID CONDITIONS IN SOUTHERN PARTS OF KHYBER PAKHTUNKHWA PROVINCE OF PAKISTAN</p> <p>Abid Sarwar, Muhammad Ali, Shazia Gulzar, Muhammad Akmal Sardar Ali, Muhammad Ismail Khan</p>	<p>EVALUATION OF KEY COMPONENTS IN CITY BIODIVERSITY INDEX OF LAHORE</p> <p><i>Muteeb Ahmad Sheikh, Muzaffar Majid, Naeem Akhtar Abbasi</i></p>	<p>GROUNDWATER QUALITY ASSESSMENT THROUGH SPATIO-TEMPORAL HYDROGEOLOGIC MODELING</p> <p><i>Aamir Shakoor, Zahid Mahmood Khan, H. Umar Farid</i></p>
<p>THE PRODUCTION OF THE GASOLINE WITH HIGH QUALITY WITH HIGH OCTANE NUMBER BY THE USE OF THE BIFUNCTIONAL CATALYST PT / RE IN THE CATALYTIC REFORMING PROCESS</p> <p><i>Menouar Hanafi</i></p>	<p>DELINEATION OF RAINWATER HARVESTING AND ARTIFICIAL GROUND WATER RECHARGE SITES USING GEOSPATIAL APPROACHES FOR AGRICULTURE DEVELOPMENT A CASE STUDY OF PANJKORA RIVER BASIN KHYBER PAKHTUNKHWA, PAKISTAN</p> <p>Abid Sarwar, Shazia Gulzar, Muhammad Ali, M. Sufyan Qazi, Muhammad Akmal</p>	<p>IMPACT ASSESSMENT OF SATU KATLA DRAIN WATER ON DIFFERENT FRUITS VRIETIES</p> <p><i>Nudrat Ghulam Rasool, Moneeza Abbas, Arifa Tahir, Nadia Ghani, Shabnum Shaheen</i></p>	<p>MANAGED AQUIFER RECHARGE (MAR) – AN OPTION FOR DEPLETING GROUNDWATER RESOURCES IN PUNJAB, PAKISTAN</p> <p><i>Ghulam Zakir-Hassan, J F. Punthakey3,4 , Ghulam Shabir</i></p>

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SUSTAINABLE DEVELOPMENT AND TOURISM (SDT)	REMOTE SENSING & GIS APPLICATIONS (RS&GIS)	HUMAN AND ENVIRONMENTAL HEALTH (HEH)	AIR AND WATER SCIENCES (AWS)
<p>GANDHARA AND THE SILK ROUTE: A GREAT CULTURAL EXCHANGE</p> <p><i>Saira Ramzan</i></p>		<p>VULNERABILITY ASSESSMENT OF COLLISION PRONE BIRD SPECIES ALONG WITH IDENTIFICATION OF COLLISION HOTSPOTS ON PROPOSED EXTRA HIGH VOLTAGE TRANSMISSION LINE CROSSING INDUS CASCADE USING MULMETRIC INDEX</p> <p><i>Misbah Amanat, Abdul Qadir, Zulfiqar Ahmed</i></p>	<p>CO2 EMISSIONS, FUEL CONSUMPTION, ECONOMIC AND POPULATION GROWTH IN PAKISTAN</p> <p><i>Tayyaba Riaz, Zaki Ul Zaman Asam, Mohsin Abbas, Mujahid Farid</i></p>
<p>SUSTAINABLE DEVELOPMENT STRATEGIES FOR ADVENTURE TOURISM IN THE HINDUKUSH, HIMALAYA, AND KARAKORAM REGION OF PAKISTAN</p> <p><i>Hussain Ahmed And Abida Farooqi</i></p>			<p>ASSESSMENT OF SOIL QUALITY AROUND BRICK KILNS IN SAHIWAL: A COMPARATIVE STUDY OF CONVENTIONAL AND ADVANCED CHIMNEY DESIGNS</p> <p><i>Fatima Bilal, Sana Akhtar</i></p>
<p>IMPACT OF CLIMATE CHANGE ON ECOTOURISM SITES IN PAKISTAN: A SECONDARY DATA ANALYSIS OF VULNERABILITY AND ADAPTATION STRATEGIES</p> <p><i>Zaryab Fatima, Nida Riaz, Misbah Riaz</i></p>			<p>DISTRIBUTIONAL RELATIONSHIP OF LICHENS AND PREDICTIVE MODELING IN CONTEXT TO AIR QUALITY IN GALIYAT PAKISTAN</p> <p><i>Naeem Ur Rehmann, Majid Ali, Waqas Hussain And Abdul Qadir</i></p>
<p>CORRUPTION TOLERANCE IN THE HOSPITALITY SECTOR: A COMPARATIVE STUDY OF SOUTH ASIA</p> <p><i>Jamil Ahmad Khan</i></p>			<p>CHEMICAL ANALYSIS OF AIR POLLUTANTS RESPONSIBLE FOR TRANSBOUNDARY POLLUTION</p> <p><i>Moneeza Abbas, Hafiza Sana Yousaf, Arifa Tahir, Nadia Ghani, Shabnum Shaheen</i></p>
			<p>WEIBULL PARAMETER DETERMINATION AND WIND POTENTIAL ASSESSMENT USING THE QUARTILE METHOD</p> <p><i>Naeem Sadiq</i></p>
			<p>DESIGNING AN ENVIRONMENTAL PROTECTION FILTER (EPF) TO MITIGATE THE INFLUENCE OF SMOKE ON THE DEPLETION OF STRATOSPHERIC OZONE ARISING FROM INDUSTRIAL PROCESSES.</p> <p><i>Sohail Ibrahim</i></p>

DAY-2 TUESDAY, DECEMBER 5, 2023

TECHNICAL SESSION – II (09:30 AM– 01:00 PM)

HALL – A	HALL - B	HALL - C	HALL - D
GLOBAL WARMING & CLIMATE CHANGE (GWCC)	OCCUPATIONAL HEALTH AND SAFETY (OHS)	ENVIRONMENTAL BIOTECHNOLOGY (EB)	FOOD SECURITY AND SUSTAINABLE AGRICULTURE (FSSA)
Session Chair: <i>Prof. Dr. Kausar Jamal Cheema</i> Session Co-Chair: <i>Prof. Dr. Muhammad Aslam</i>	Session Chair: <i>Dr. Muhammad Akram</i> Session Co-Chair: <i>Dr. Mohsin Abbas</i>	Session Chair: <i>Prof. Dr. Anjum Nasim Sabri</i> Session Co-Chair: <i>Dr. Saba Irshad</i>	Session Chair: <i>Prof. Dr. Muhammad Saleem Haider</i> Session Co-Chair: <i>Prof. Dr. Shakeel Ahmed</i>
Session Coordinator Dr. Waheed Ullah Khan	Session Coordinator Dr. Azhar Ali	Session Coordinator Dr. Sana Ashraf	Session Coordinator Dr. Muhammad Awais
<u>Keynote Talk</u> WORKPLACE RISK ASSESSMENT IN SMALL AND MEDIUM MANUFACTURING UNITS DURING COVID-19 PANDEMIC IN THE PUNJAB PAKISTAN <i>Arshad Mahmood and Amjid Ali Zafar</i>	<u>Keynote Talk</u> DEVELOPING AWARENESS OF OCCUPATIONAL DISEASE AND INJURY IN THE DEVELOPING COUNTRIES <i>Sajjad A. Savul,</i>	<u>Keynote Talk</u> FORMULATION OF CHITOSAN-BASED HYDROGEL FOR ANTIBIOTICS ADSORPTION FROM PHARMACEUTICAL WASTEWATER <i>Muhammad Afzaal, Amna Ilyas and Hafiz Abdul Mannan</i>	<u>Keynote Talk</u> EFFECT OF ENVIRONMENT ON BACTERIAL LEAF BLIGHT DISEASE OF RICE <i>Muhammad Saleem Haider, Taiba Muhammad Ahmad</i>
<u>Keynote Talk</u> MODELING CEREAL-BASED CROPPING SYSTEMS TO CLIMATIC EXTREMES <i>Mukhtar Ahmed</i>	OCCUPATIONAL HEALTH HAZARDS AND SAFETY ISSUES OF SANITARY WORKERS: A STUDY IN SARGODHA DISTRICT <i>Zoraiz Tahir Chaudhry, Muhammad Waqar Afzal, Zaryab Fatima, Anida Riaz</i>	LIFECYCLE SUSTAINABILITY ANALYSIS OF ORGANIC WASTE-TO-BIOETHANOL CONVERSION <i>Khadija Sajid</i>	ASSESSMENT OF GERMPLASM USING MULTIVARIATE ANALYSIS FOR GRAIN YIELD AND QUALITY TRAITS IN SPRING WHEAT <i>Syed Bilal Hussain , Muhammad Atif Wahid , Muhammad Zubair , Muhammad Babar And Kashif Wahid</i>
ASSESSMENT OF GREENHOUSE GASES EMISSION POTENTIAL FROM SOLID WASTE DUMPS USING STATIC CHAMBER METHOD <i>Dua Nouman Rana, Zaki Ul Zaman Asam</i>	PREVALENCE OF MUSCULOSKELETAL DISORDERS AMONG PHYSICAL THERAPISTS AT VARIOUS HOSPITALS OF LAHORE <i>Saima Atif, Haleema Sadia</i>	OLIVE (OLEA EUROPAEA L.) LEAVES PROMISING BYPRODUCT AS A SOURCE OF BIOACTIVE COMPOUNDS AND NATURAL ANTIOXIDANTS <i>Muhammad Khalid Saeed, Iram Shehzadi, Naseem Zahra, Shaheena Anjum, Zille Huma, Asma Saeed, Quratulain Syed And Syed Hussain Imam Abdi</i>	EFFECTS OF SALICYLIC ACID AND CADMIUM ON PHOTOSYNTHETIC AND BIOCHEMICAL PARAMETERS OF SOME WHEAT CULTIVARS <i>Asma Zulfikar , Beenish Gul , Areeba Islam , Ammara Saleem , Bushra Rehman</i>
IMPACT OF CLIMATE CHANGE ON AQUATIC FAUNA AND THEIR MITIGATION STRATEGIES <i>Syed Makhdoom Hussain And Prof. Shafaqat Ali</i>	OCCUPATIONAL EXPOSURE OF TOXIC TRACE ELEMENT IN WORKERS OF LEATHER CHEMICAL INDUSTRY <i>Muhammad Abdullah, Naeem Akhtar Abbasi</i>	DEVELOPMENT OF A TRIPLE GENE CRY1AC-CRY2AB-EPSPS CONSTRUCT AND ITS EXPRESSION IN NICOTIANA BENTHAMIANA FOR INSECT RESISTANCE AND HERBICIDE TOLERANCE IN PLANTS	TEMPORAL DYNAMICS OF WHITEBACKED PLANTHOPPER INFESTATION ON RICE CROP IN ASSOCIATION WITH ENVIRONMENTAL FACTORS <i>Nida Zafar , Arshed Makhdoom Sabir, Abdul Qadir</i>

HALL – A	HALL - B	HALL - C	HALL - D
GLOBAL WARMING & CLIMATE CHANGE (GWCC)	OCCUPATIONAL HEALTH AND SAFETY (OHS)	ENVIRONMENTAL BIOTECHNOLOGY (EB)	FOOD SECURITY AND SUSTAINABLE AGRICULTURE (FSSA)
<p>COMMUNICATING FACTS ABOUT GLOBAL WARMING. CLIMATE CHANGE- ENERGY AND NET ZERO EMISSION</p> <p><i>Syed Javaid Khurshid</i></p>	<p>A PRELIMINARY STUDY ABOUT NOISE POLLUTION AND RELATED HEALTH IMPACTS IN RESIDENTIAL, COMMERCIAL, AND INDUSTRIAL ZONES OF MANDI BAHAUDDIN</p> <p><i>Filza Afzaal, Mohsin Abbas, Zaki-Ul-Zaman Asam, Mujahid Farid</i></p>	<p>ENHANCING SUNFLOWER (HELIANTHUS ANNUUS L.) GROWTH AND SALT TOLERANCE BY BIOFILM PRODUCING RHIZOBACTERIA</p> <p><i>Tahira Yasmeen, Waqas Haider, Muhammad Saleem Arif,</i></p>	<p>APPLICATION OF CG-SSR MARKERS TO VALIDATE SALT-STRESS TOLERANCE AMONG WHEAT GERMPLASM OF PAKISTAN</p> <p><i>Mishal Khalid , Armghan Shahzad , Ghulam Muhammad Ali , Sania Begum , Rehana Kausar</i></p>
<p>ESTIMATION OF GLACIER EQUILIBRIUM LINE ALTITUDES IN THE HUNZA RIVER BASIN OF WESTERN KARAKORAM</p> <p><i>Sabih Ud Din; Siddique Ullah Baig; Abida Farooqi</i></p>	<p>CHRONIC EXPOSURE TO E-WASTE AND ITS ASSOCIATED HEALTH IMPACTS IN PAKISTAN</p> <p><i>Aneela Shoukat, Syed Muhammad Nurulain</i></p>	<p>ENTEROBACTER SP. CS2 IMPROVES PHYTOREMEDIATION OF NICKEL CONTAMINATED SOIL BY CATHARANTHUS ROSEUS</p> <p><i>Waheed Ullah Khan, Sajid Rashid Ahmad, Nasim Ahmad Yasin,</i></p>	<p>APPLICATION OF DSSAT MODEL TO OPTIMIZE SOWING DATE OF WHEAT UNDER CHANGING CLIMATE</p> <p><i>Aashir Sameen , Mukhtar Ahmed</i></p>
<p>FORECASTING LONG-TERM ENERGY DEMAND AND GHG EMISSIONS BY USING VARIOUS ENERGY FUELS IN THE PROVINCE OF PUNJAB</p> <p><i>Rabiya Nasir Sajid Rashid Ahmad</i></p>	<p>WORKPLACE RISK ASSESSMENT IN SMALL AND MEDIUM MANUFACTURING UNITS DURING COVID-19 PANDEMIC IN THE PUNJAB PAKISTAN</p> <p><i>Arshad Mahmood, Amjid Ali Zafar</i></p>	<p>A REVIEW ON HEAVY METAL CONTAMINATION IN SOIL: ORIGINS, IMPACTS, AND REMEDIATION STRATEGIES</p> <p><i>Aisha Ghaffar, Syeda Azka Sajid, Malayeka Khalid, Isba Tariq, Amana Iqbal</i></p>	<p>A POTENTIAL FEASIBILITY OF RICE STRAW AND WASTE COW BONES AS BIOCHAR COMPOSITE FOR AGRONOMIC YIELD OF SUNFLOWER</p> <p><i>Um-e- Laila, Aisha Nazir and Firdaus-e- Bareen1</i></p>
<p>ASSESSMENT OF CLIMATIC PATTERN IN URBAN EXPANSION SCENARIO; A CASE STUDY OF LAHORE</p> <p><i>Areeba Rehman, Sana Ashraf, Salman Tariq, Muhammad Waleed, Sajid Rashid Ahmad</i></p>	<p>OCCUPATIONAL STRESS AMONG OFFICE WORKERS IN MANDI BAHAUDDIN: A CASE STUDY OF BIOLOGICAL AND ORGANIZATION FACTORS</p> <p><i>Sana Arooj*, Zaki-ul-Zaman Asam, Mujahid Farid, Mohsin Abbas**</i></p>	<p>MINT PRODUCTION USING A MIXED HYDROPONIC APPROACH: EVIDENCE FROM THE PROTOTYPE CASE STUDY</p> <p><i>Arshad Mahmood Malik & Asif Sardar</i></p>	
<p>CLIMATE CHANGE AND ITS EFFECTS ON HUMAN HEALTH: A SOCIOLOGICAL PERSPECTIVE OF PAKISTAN</p> <p><i>Linta Arqum, Alishba Khurshed1, Aqsa Imtiaz1, Ayesha Tahir1, Ifra Hassan</i></p>	<p>HEALTH ASSESSMENT OF OCCUPATIONAL EXPOSURE TO WELDING FUMES AND METAL OXIDES AMONG PIPELINE WELDERS IN SAHIANWALA, FAISALABAD, PAKISTAN</p> <p><i>Kamran Muzammal, Zaghum Abbas and Azhar Ali</i></p>	<p>PROMISING APPLICATIONS OF INDIGENOUS BACTERIAL CONSORTIUMS FOR TREATING TEXTILE EFFLUENTS</p> <p><i>Naeem Abbas, Farah Deebea, Muhammad Hamza, Javed Iqbal, Muhammad Irfan, Muhammad Hammad Khan, Aysha Aftab, Farhat Zaheer</i></p>	
<p>MONITORING SEA SURFACE TEMPERATURE (SST) OVER THE EXCLUSIVE ECONOMIC ZONE OF PAKISTAN (EEZ) THROUGH GEOSPATIAL TECHNIQUES (2001-2022)</p> <p><i>Afsheen Ashraf, Anila Kausar</i></p>		<p>PHYSIOCHEMICAL ANALYSIS OF PAPER INDUSTRY AND TEXTILE INDUSTRIAL EFFLUENTS AND EVALUATION OF REMEDIATION POTENTIAL OF SPYROGYRA SP. BASED ON WASTEWATER CHARACTERIZATION</p> <p><i>Nudrat Ghulam Rasool, Moneeza Abbas, Arifa Tahir, Nadia Ghani, Shabnum Shaheen</i></p>	

HALL – A	HALL - B	HALL - C	HALL - D
GLOBAL WARMING & CLIMATE CHANGE (GWCC)	OCCUPATIONAL HEALTH AND SAFETY (OHS)	ENVIRONMENTAL BIOTECHNOLOGY (EB)	FOOD SECURITY AND SUSTAINABLE AGRICULTURE (FSSA)
<p>CLIMATE-INDUCED MIGRATION AND ASSOCIATED RISKS IN PAKISTAN: A SYSTEMATIC REVIEW</p> <p><i>Nabeela Farah, Saira Siddiqui, Naveed Farah, Saima Afzal</i></p>		<p>CYPERUS LAEVIGATUS L. ENHANCES DIESEL OIL REMEDIATION IN SYNERGISM WITH BACTERIAL INOCULATION IN FLOATING TREATMENT WETLANDS</p> <p><i>Muhammad Fahid</i></p>	
<p>SPATIO-TEMPORAL DISTRIBUTION OF NATURAL VEGETATION IN CHOLISTAN DESERT CONCERNING CLIMATE CHANGE</p> <p><i>Mohammad Salman Faisal, Abdul Qadir, Zafeer Ahmad Saqib</i></p>		<p>APPLICATION OF FLOATING TREATMENT WETLANDS AND CONSTRUCTED WETLANDS IN PAKISTAN FOR THE TREATMENT AND REUSE OF WASTEWATER</p> <p><i>Muhammad Afzal, Salman Younus, Razia Tahseen, Samina Iqbal</i></p>	
<p>GHG AND AIR POLLUTION EMISSION INVENTORIES TO ASSES AND FORECAST PAKISTAN'S CLIMATIC VULNERABILITY USING EDGAR AND GAINS MODELS.</p> <p><i>Mariam Javed, Sajid Rashid Ahmad, Abdul Sattar Nizami</i></p>		<p>MOLECULAR AND METABOLIC CHARACTERIZATION OF PETROLEUM HYDROCARBONS DEGRADING BACILLUS CEREUS</p> <p><i>Fatima Muccee</i></p>	
<p>EVALUATION OF THE EFFECT OF INDIGENOUS LANDFILL COVERS ON THE EMISSION OF GREENHOUSE GASES FROM WASTE</p> <p><i>Tayyaba Younas, Zaki Ul Zaman Asam and Mohsin Abbas</i></p>			

DAY-2 TUESDAY, DECEMBER 5, 2023
TECHNICAL SESSION – III (02:00 P.M. TO 04:00 P.M.)

Hall - A	Hall - B	Hall - C	HALL - D
ECOTOXICOLOGY AND PLASTIC POLLUTION (EPP)	ENVIRONMENTAL NANO TECHNOLOGY (ENT)	WASTEWATER TREATMENT TECHNOLOGIES (WTT)	ENVIRONMENTAL GEOLOGY & ENVIRONMENTAL HAZARDS (EG&EH)
Session Chair: <i>Dr. Zaki uz Zaman Asam</i> Session Co-Chair: <i>Dr. Abdul Qadir</i>	Session Chair: <i>Prof. Dr. Shafaqat Ali</i> Session Co-Chair: <i>Dr. Mujahid Farid</i>	Session Chair: <i>Prof. Dr. Moaz ur Rahman</i> Session Co-Chair: <i>Prof. Dr. Irfan Ahmed Shaikh</i>	Session Chair: <i>Prof. Dr. Muhammad Nawaz Ch.</i> Session Co-Chair: <i>Prof. Dr. Iftikhar Ahmad</i>
Session Coordinator Dr. Naeem Akhtar Abbasi	Session Coordinator Dr. Muhammad Bilal Shakoore	Session Coordinator Dr. Rizwan Aziz	Session Coordinator Dr. Muzaffar Majid
<u>Keynote Talk</u> APT ADVANCED TECHNOLOGIES FOR SAFE DISPOSAL OF OBSOLETE PFASS TAKING GENX AS MODEL <i>Mohammad Taghi Vakili, Giovanni Cagnetta</i>	<u>Keynote Talk</u> CARBON BASED NANO MATERIAL ELECTRODES FOR CAPACITIVE DEIONIZATION IN WATER TREATMENT <i>Asim Jilani</i>	PHOTOCATALYSIS AND ADSORPTION OF AZO DYES AND HEAVY METALS FROM SYNTHETIC WASTEWATER USING NANOCOMPOSITE OF NICKEL-OXIDE AND BIOCHAR NANOCOMPOSITE <i>Mudassar Ayyub, Kamran Khan, Usman Shafqat, Hajra Ahsan, Tanvir Shahzad</i>	<u>Keynote Talk</u> THE MUSLIM BAGH OPHIOLITE (MBO): A POTENTIAL SITE FOR CLIMATE CHANGE MITIGATION <i>Arshad Ali, Muhammad I. Kakar, Mohamed A.K. El-Ghali, Sobhi J. Nasir, Hafiz Urrehman, Iftikhar A. Abbasi, Mohamed Moustafa</i>
MECHANISM AND SYNERGISTIC EFFECT OF SULFADIAZINE (SDZ) AND CADMIUM TOXICITY IN SPINACH (SPINACIA OLERACEA L.) AND ITS ALLEVIATION THROUGH ZINC FORTIFICATION <i>Muhammad Nafees, Adiba Khan Sehrish, Sarah Owdah Alomrani, Linlin Qiui, Aasim Saeed, Shoaib Ahmad, Shafaqat Alid, Hongyan Guo</i>	<u>Keynote Talk</u> EFFECT OF GREEN SYNTHESIZED SILICON NANO-PARTICLES ON GROWTH AND LEAD (PB) UPTAKE IN MAIZ PLANTS <i>Muhammad Rizwan</i>	ASSESSMENT OF HEXAVALENT CHROMIUM REMOVAL BY MNO ₂ -BIOCHAR COMPOSITE FROM SYNTHETIC WASTEWATER <i>Aroob-Un-Nissa1, Kiran Hina1*, Zaki Ul Zaman Asim2, Mohsin Abbas2, Mujahid Farid</i>	INTEGRATED FLOOD RISK ASSESSMENT AND MANAGEMENT FRAMEWORK OF HILL TORENT FLOODS FOR THE DERA GHAZI KHAN, SULAIMAN RANGE IN PERSPECTIVE OF THE FLOOD FACED DURING 2022 <i>Nouman Anjum, Muhammad Yaseen, Syed Umair Shahid, Yasir Latif And Sohail Abbas</i>
INTERACTIVE EFFECTS OF LEAD, CADMIUM AND ZINC ON THE METAL'S ACCUMULATION AND GROWTH OF ORNAMENTAL PLANTS IN MULTI-METALS SPIKED SOILS <i>Iram Gul, Ghulam Mujtaba Shah, Imran Ahmad, Asma Saleem, Asif Javed, Muhammad Arshad</i>	COMPARATIVE ANALYSIS OF ZNO/KOH ACTIVATED PEANUT SHELL BIOCHAR FOR PHOSPHATE ADSORPTION FROM AQUEOUS SOLUTION <i>Asma Akram, Muhammad Bilal Shakoore, Sajid Rashid Ahmed</i>	PHYTO-TREATMENT OF TANNERY EFFLUENTS BY MARTICARIA CHAMOMILLA L. UNDER COMBINED APPLICATION OF ZEROVALENT IRON NANOPARTICLES AND MORINGA OLEIFERA L. LEAVES EXTRACT <i>Urooj Ansar Mughal, Mujahid Farid, Zaki Ul Zama Asam, Mohsin Abbas</i>	FLOOD HAZARDS RISK ASSESSMENT BY INTEGRATED REMOTE SENSING AND GIS BASED MORPHOMETRIC APPROACH OF SWAT RIVER BASIN <i>Asad Ullah, Muhammad Usman, Muhammad Yaseen, Syed Umair Shahid, Yasir Latif And Sohail Abbas</i>

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ECOTOXICOLOGY AND PLASTIC POLLUTION (EPP)	ENVIRONMENTAL NANO TECHNOLOGY (ENT)	WASTEWATER TREATMENT TECHNOLOGIES (WTT)	ENVIRONMENTAL GEOLOGY & ENVIRONMENTAL HAZARDS (EG&EH)
MICROPLASTICS IN AIR CONDITIONER FILTER AND DEPOSITED DUST OF INDOOR URBAN SETTING: IMPLICATION FOR HEALTH RISK IN A DEVELOPING COUNTRY	ENHANCED ADSORPTION PERFORMANCE OF GRAPEFRUIT PEEL BIOCHAR AND ZN-FE LDH BIOCHAR COMPOSITES FOR REMOVAL OF AS(V) FROM CONTAMINATED WATER <i>Shazma Muzammal, Muhammad Bilal Shakoor, Sajid Rashid Ahmed</i>	AN EVALUATIONS OF KITCHEN WASTEWATER FOR IRRIGATION PURPOSE <i>HINA MAZHAR</i>	LANDSLIDE HAZARD RISK ASSESSMENT BY INTEGRATED HYDRO-GEOMORPHOLOGICAL APPROACH FOR SOAN RIVER BASIN IN POTOHAR REGION, PAKISTAN <i>Muhammad Imran, Muhammad Yaseen, Syed Umair Shahid, Yasir Latif And Sohail Abbas</i>
DRINKING MICROPLASTICS (MPS) QUANTIFICATION AND RISK OF MPS FROM DRINKING UNITS IN LAHORE, PAKISTAN <i>Atiya Saeed, Ayesha Sadiqa, Mehvish Mumtaz, Abdul Qadir</i>	CETYLTRIMETHYLAMMONIUM BROMIDE (CTAB) SUPPORTED GRAPHITIC CARBON NITRIDE AND POLYANILINE NANOCOMPOSITES FOR ENHANCED REMOVAL OF CR(VI) FROM WASTEWATER Nida Rasool , Muhammad Bilal Shakoor And Sajid Rasheed Ahmad	REVIEW OF MODERN RECYCLING TECHNOLOGIES FOR FIBER REINFORCED POLYMER COMPOSITES WASTE TO REDUCE ENVIRONMENTAL POLLUTION. <i>Usama Idrees, Aaqib Zafar, Abdur Rahman Shaukat, Waheed Ashraf, M. Tahir Ali</i>	SLOPE BASED SEISMIC SITE CONDITION ANALYSIS OF NORTHERN PAKISTAN <i>Tanveer Ahmed Khaista Rehman, Muhammad Shafique</i>
ARSENIC CONTAMINATION AND HEALTH RISK ASSESSMENT IN GROUNDWATER OF URBAN AREAS IN LAHORE, PAKISTAN <i>Muhammad Abdullah, Muhammad Bilal Shakoor And Sajid Rasheed Ahmad</i>	CHITOSAN BEADS AMENDED BIOCHARCOAL TO IMPROVE THE SUNFLOWER (HELIANTHUS ANNUS L.) GROWTH UNDER WASTEWATER IRRIGATION <i>Summera Jahana,, Umm E Habiba, Zarghoona Naz</i>	COMPARATIVE STUDY OF TREATMENT FOR TANNERY WASTEWATER BY PHYCOREMEDIATION AND OXIDATION PROCESS <i>Sadana Chohan, Suraiya Jabeen, Farman Ahmed,Hina Kulsoom</i>	FERN SPORES AS AN INDICATOR OF EARLY JURASSIC (DATTA FORMATION) PALEOCLIMATIC CONDITIONS, IN THE SALT RANGE, PAKISTAN <i>Samia Akram* And Farhat Rass Masood</i>
PATTERNS OF HEAVY METALS ACCUMULATION IN SELECTED AQUATIC PLANTS IN PONDS AND RIVERS <i>Amara Nisar, Muzaffar Majid, Abdul Qadir</i>	PEFFICIENCY OF ZEROVALENT IRON NANOPARTICLES AND AZADIRACHTA INDICA L. LEAVES EXTRACT IN THE REMOVAL OF HEAVY METALS FROM SURGICAL INDUSTRY WASTEWATER BY BRASSICA NAPUS L. <i>Ansa Zulfiquar , Mujahid Farid , Zaki Ul Zaman Asam , Mohsin Abbas</i>	WASTEWATER TREATMENT TECHNOLOGIES: HOME WATER WASTAGE REDUCTION USING IOT AND MOBILE APP <i>Maaz Ajmal, Nida Riaz, Usman Ch</i>	GEOLOGICAL CHARACTERIZATION AND PROVENANCE OF AS-ENRICHED AQUIFERS IN THE INDUS BASIN PAKISTAN: TRACING THE GEOGENIC ARSENIC, EVIDENCE FROM ZIRCON U–PB ISOTOPES <i>Ishtiaque Hussain Hafiz Ur. Rehman, Takaaki Itai , Junaid Ali Khattak And Abida Farooqi</i>
IDENTIFYING HEALTH AND ENVIRONMENTAL EFFECTS OF PLASTIC POLLUTION: ASSESSMENT OF HEALTH RISKS OUTCOMES IN PAKISTAN <i>Aisha Ghaffar, Umair Mahmood, Palwasha Tehseen</i>	EXPLORING POTENTIAL OF GREEN SYNTHESIZED NANOPARTICLES TO MANAGE PLANT DISEASES AND REDUCED APPLICATION OF SYNTHETIC PESTICIDES <i>Tehmina Anjum And Hina Ashraf</i>	A SUSTAINABLE APPROACH TO WASTE MANAGEMENT: SAFEGUARDING PUBLIC HEALTH IN THE TIME OF PANDEMICS <i>Muhammad Hassan Javed, Anees Ahmad</i>	TRAVERTINE AS A CONSTRUCTION MATERIAL AT KATAS RAJ TEMPLES GEOSITES, EASTERN SALT RANGE, PAKISTAN <i>Hassan Ali, Khlieeq Ul Zaman, Rani Ummay Farwa, Muhammad Zubair Siddiqui, Aymen Arif, Adeel Hassan, Syed Haroon Ali</i>

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EVALUATION AND ENVIRONMENTAL RISK ASSESSMENT OF HEAVY METALS IN THE SOIL RELEASED FROM E-WASTE MANAGEMENT ACTIVITIES IN LAHORE, PAKISTAN <i>Sidra Shakil, Khazeema Nawaz Yumna Sadeef</i>	GREEN SYNTHESIS OF AG NANOPARTICLES FOR THE REMOVAL OF NITROAROMATIC COMPOUNDS AND AZO DYES IN WASTEWATER <i>Sumaira, and Azhar Ali</i>	TECHNO-ECONOMIC AND ENVIRONMENTAL EVALUATION OF BIOREFINERY SYSTEM TO CONVERT MUNICIPAL SOLID WASTE INTO BIOFUELS AND VALUE-ADDED FRACTIONS <i>Anees Ahmad, Muhammad Hassan Javed</i>	CONCEPTUAL DEVELOPMENT OF SALT PSEUDOMORPH IN EARLY CAMBRIAN STRATA OF PAKISTAN. <i>Muhammad Zubair Siddiqui, Zareen Rashid, Fatima Bi Bi, Awais Abbas, Huma Sattar, Syed Haroon Ali</i>
ASSESSMENT OF MICROPLASTICS IN FRESHWATER, SEDIMENTS, AND FISHES OF NULLAH AIK AND PALKHU, SIALKOT <i>Faiza Noor, Gulzaman William, Abdul Qadir</i>	NANOMATERIALS: A STUDY OF SYNTHESIS METHODS, PROPERTIES, RECENT PROGRESS, AND CHALLENGES. <i>Arsh E Noor</i>	EFFECTIVE REMOVAL OF METHYL ORANGE FROM WASTEWATER BY GRAPEFRUIT PEEL-BASED BIOSORBENT Fasiha Shahbaz, Amina Amanat, Fatima Ijaz , Muhammad Bilal Shakoor	SEDIMENTOLOGY AND DEPOSITIONAL ENVIRONMENT OF JHIL MEMBER LIMESTONE, GAJ FORMATION, MIOCENE, PAKISTAN <i>Mahmood Iqbal, Syed Haroon Ali, Ali Wahid2, Yasir Bashir, Noureen Shoukat</i>
HEAVY METAL EXPOSURE TO WELDING WROKERS IN RAILWAY WORKSHOP <i>Rana Hammad Bin Abdul Qayyum, Tania Haider, Mehvish Mumtaz</i>	THE ROLE OF NANOTECHNOLOGY IN ADVANCING CLIMATE Change Adaptation and Mitigation Strategies <i>Aisha Ghaffar ,Palwasha Tehseen , Umair Mahmood</i>	SUSTAINABLE MANAGEMENT OF MUNICIPAL SOLID WASTE THROUGH BIOCHAR AND ITS APPLICATION AS SOIL AMELIORANT Samreen Aslam and Aisha Nazir*	
AN ESTIMATION OF HEAVY METALS IN DIFFERENT BRANDS OF NAIL COLORS AND THEIR HUMAN HEALTH RISK ASSESSMENT <i>Zubda Maharvi, Farah Tariq, Anum Tariq</i>			
IMPACT OF HUMAN ACTIVITIES ON THE BEHAVIORAL ADAPTATION, AND HEMATOLOGICAL PARAMETERS OF BLUE ROCK PIGEON. <i>Aliza Aziz</i>			
AN ASSESSMENT OF DIETARY EXPOSURE TO MICROPLASTIC THROUGH FOOD ADDITIVES <i>Asma Idrees, Anum Tariq</i>			
TOXICOKINETICS OF CHEMICAL MIXTURE EXPOSURE <i>Abdul Wahab Hussain, Mehvish Mumtaz</i>			

POSTER PRESENTATIONS

ALL POSTERS WILL BE DISPLAYED BEFORE TECHNICAL SESSIN-I ON DECEMBER 5, 2023 AT ALLOCATED PLACE IN CEES ON DAY-2ND TECHNICAL EVALUATION COMMITTEE FOR POSTER PRESENTATION WILL EXAMINE THE POSTERS AND ON DAY 3RD BEFORE CLOSING CEREMONY SUBMIT THE RESULT TO THE “ETEEES-2023” CONFERENC COMMITTEE

Sr. No.	Poster Theme	Poster Title
1.	<i>ENVIRONMENTAL NANO TECHNOLOGY (ENT)</i>	Synthesis and Characterization of Ferric-Based Graphitic Carbon Nitride Photocatalyst with Enhanced Photocatalytic, Antibacterial, and Antiviral Applications. <i>Humera Aziz, Munir Ashraf, Shafaqat Ali, Umair Riaz and Sana Farooq</i>
2.	<i>FOOD SECURITY AND SUSTAINABLE AGRICULTURE (FSSA)</i>	Conceptualizing Collaborative Governance for Food Security in Pakistan: A Critical Analysis <i>Fatima Mahmood and Amani Moazzam</i>
3.	<i>ENVIRONMENTAL BIOTECHNOLOGY (EB)</i>	Efficacy of Different Herbal & Chemical Based Hand Sanitizers to Control the Microbial Growth on Hands of Bank Cashiers <i>Bushra Nisar Khan, Yusra Ashfaq and Zainab Maqsood</i>
4.	<i>ENVIRONMENTAL GEOLOGY & ENVIRONMENTAL HAZARDS (EG&EH)</i>	SAR Based Monitoring of Land Subsidence Induced by Earthquake <i>Muhammad Sanan</i>
5.	<i>GLOBAL WARMING & CLIMATE CHANGE (GWCC)</i>	Historical Changes and Projected Anomalies in Extreme Temperatures of Balochistan Using CORDEX Ensemble and Extreme Value Theory <i>Darakshan Naeem and Rizwan Aziz</i>
6.	<i>GLOBAL WARMING & CLIMATE CHANGE (GWCC)</i>	Frequency Analysis of Extreme Temperature of Balochistan Using Multiple Distribution Functions <i>Ayesha Ashraf, Zamna Batood and Rizwan Aziz</i>
7.	<i>OCCUPATIONAL HEALTH AND SAFETY (OHS)</i>	Impact of Noise Pollution in Major Cities of Punjab <i>Ambreena Javaid and Kinza Saif</i>
8.	<i>OCCUPATIONAL HEALTH AND SAFETY (OHS)</i>	Ill-Health Risks to different Occupational Workers in Pakistan Exposed to a Mixture of Contaminants <i>Sosan Andleeb Khan and Syed Muhammad Nurulain</i>

Sr. No.	Poster Theme	Poster Title
9.	<i>OCCUPATIONAL HEALTH AND SAFETY (OHS)</i>	Occupational exposure of heavy metal among mobile phone technicians and associated health ris <i>Raeem Hasnain</i>
10.	<i>WASTEWATER TREATMENT TECHNOLOGIES (WTT)</i>	Remediation of Lead-Contaminated Water Using Iron-Zinc Bimetallic Nanoparticles Synthesized By <i>Azadirachta Indica</i> Leaf Extract <i>Safana Khurram, Abeer Fatima and Tehreem Athar</i>
11.	<i>HUMAN AND ENVIRONMENTAL HEALTH (HEH)</i>	Impact of Coronavirus on the Economic Growth and Poverty. <i>Sitara Anjum, Rizwan Rasheed and Sajid Rashid Ahmed</i>
12.	<i>REMOTE SENSING & GIS APPLICATIONS (RS&GIS)</i>	Spatio-Temporal Changes in the Urban Green Spaces of Lahore, Pakistan <i>Shumaila Majeed and Isbah Sohail</i>

DAY 2: TUESDAY, DECEMBER 5, 2023 “ETEES-2023”

CLOSING CEREMONY

AT

COLLEGE OF EARTH & ENVIRONMENTAL SCIENCES (CEES)

University of the Punjab Lahore, Lahore-54590, Pakistan

Closing Ceremony:	Recitation from the Holy Quran	04:30 P.M.
Address by Chief Guest:	Prof. Dr. Shahid Munir Chairman, Punjab Higher Education Commission (PHEC)	04:40 P.M.
Address by Chief Guest:	Mr. Mansoor Qadir Minister for Education, Government of the Punjab, Lahore	05:00 P.M.
Address by Vice Chancellor:	Prof. Dr. Khalid Mahmood University of the Punjab, Lahore	05:20 P.M.
Closing Remarks:	Prof. Dr. Sajid Rashid Ahmad Principal, College of Earth and Environmental Sciences (CEES)/ Dean, Faculty of Geosciences	05:40 PM
	-- Distribution of Souvenir / Certificates --	06:00 PM
