LIST OF PAPERS PRESENTED AT VARIOUS WORLD ENVIRONMENT DAY(S), COMMEMORATED BY PAKISTAN ENGINEERING CONGRESS

List of Papers Presented at Various World Environment Day(s), Commemorated by

Pakistan Engineering Congress

Sr. No.	Title of Paper	Name of Author
	2007 – Climate Change:	
1	Engineering options for Managing and Mitigating Climate Change	Safia Shafiq
2	An overview of Glacier Depletion in Tibetan	Rehmatullah Jilani,
3	Plateau Climate Change and Sustainable Development	Dr. Qamar-uz-Zaman Chaudhry
4	Glaciers- The Barometer of Climate Change	Rakhshan Roohi, Arshad Ashraf, Rozina Naz
5	Climate Change and Tree-limit status: A case study based on comparison between an optimistic scenario for European mountains and a pessimistic on for Pakistan	Amin U Khan,
6	Adapting to Risks of Climate Change	Shafqat Masood
7	Impact of Temperature Gradient With Time & Its Variation With reference To Change Of state	Engr. Shaukat Ali Awan
	2008 – Kick the Habit, Towards a Low Carbon Economy:	
8	Clean Development Mechanism	Muhammad Ashraf
9	Hydel Power Generation: A Low Carbon Prospect For Prosperous Pakistan	Dr. Allah Baksh Sufi, A. Dastgir, Zahid ul Haq
10	Re-Utilization of Solid Waste Carbon Saves Economy	Muhammad Khalid Iqbal, Tahira Shafiq, Khursheed Ahmad
11	Low Carbon Economy – A Pakistan Perspective	Muhammad Daniel Saeed Pirzada
12	Isotipic and Chemical Characterization of Coal from Selective areas of Pakistan	A .Mashiatullah, T. Javed, R. M. Qureshi, Z. Shah, Z. Latif Habib-ur-Rehman
13	ENERCON and Low Carbon Economy	Asif Masood

2009 – Your Planet Nees You – Unite to Combat Climate Change:

14.	Social and Economic Benefits of Weather, Climate and Water Services	Dr. Qamar-uz-Zaman Chaudhry
15	Influence of Climate Change on Upper Indus River Flows	Danial Hashmi, Dr. Muhammad Siddique
16	Vehicular Emissions and their Impacts on Human Health in Karachi – A Case Study	Muhammad Ashiq Ambreen Kanwal Said Rehman
17	Emission Inventory of Lahore – 2007	B.M. Ghauri A.N. Khan
18	Accountability of Chemical Industries Towards Sustainable Development	S.E Benjamin
19	Environmental Issues Related to Water Resources Development and Integrated Water Resource Management in Pakistan	Dr. Muhammad Nawaz Bhutta
20	E-Waste : An Impending Challenge	Muhammad Daniel Saeed Pirzada Farkhanda Nahid Pirzada
21	Unsafe Drinking Water and Health Hazards	Sabir Ali Bhatti Zia Mustafa
22	Environmental Management for Menace of Water Logging of Chashma Jhelum Link Canal in Thal Desert Area – A Case Study	Dr. Allah Bakhsh Sufi Syed Javed Sultan Attia Dastagir
23	Impact of Western Economic Policies on the Planet [With Special Reference to Pakistan]	Dr. Zafar Altaf
24	Drinking Water Quality Between Source and Point – of – Use in Satellite Town Rawalpindi – A Case Study	Shaukat Farooq Imran Hashmi Sara Qaisar
25	Drinking Water Quality in Rawalpindi / Islamabad and Adjoining Areas in 2008	Jamal A. Nasir Birjees Mazhar Qazi M. Salman Alam Khatoon
26	An Overview of Polyethylene Terephthalate Recycling in Pakistan	Dr. Zahiruddin Khan
27	Poverty alleviation – a Challenge for Pakistan	Shahida Saleem

2010– Bio-Diversity Connecting with Nature – Many Species, One Planet, One Future:

28	Deforestation – A Trample on the Moonscapes	Engr. Usman-e-Ghani
29	River Ravi Potential, Pollution and Solutions; An Overview	Abdullah Yasar Fawad Ali Fateha Arshad Amna Iqbal Zainab Razi
30	Wetlands in Pakistan: What is happening to them?	Dr. Abdul Aleem
31	Promoting Better Management Practices An Initiative of WWF – Pakistan to reduce the ecological footprint of thirsty crops	Hammad Naqi Khan Arif H. Makhdum Zernash Jamil Asad Imran A. Rasheed Bhutto Lal Khan Babar
32	Botanical Diversity in Pakistan; Past, Present and Future	Muhammad Ibrar Shinwari Maryam Shinwari
33	Biodiversity – A stable Ecosystem – A Review	Dr. Zaheer ud Din Khan
34	Biodiversity and Economic Growth	Shahida Saleem
35	Climate Change Threats to Biodiversity In Pakistan	Dr. M. Moshin Iqbal Arshad Ahmad Khan
36	Future of Your Fuel Tank!!!	Umarah Mubeen Zia ul Islam Dr. Mian Wajahat Hussain Dr. Kauser Abdullah Malik
37	Effect on Carbon Nitrogen Ratio – Ammonia Nitrogen in Food Waste Composting Using Different Techniques	Muhammad Khalid Iqbal Tahira Shafiq Sameer Ahmad Khursheed Ahmad
38	State of Forests in Sindh as well as the Economic Benefits Flowing out of it	Muhammad Sadiq Mughal

2011 – Forests-Nature at Your Services:

39	Forest and Climate Change	Dr. Abdul Aleem Chaudhry
40	“Moringa: A Miracle Plant of Agro-Forestry and Southern Punjab, Pakistan	Shahzad M. Basra Umair Ashfaq
41	Medicinal Plant Resources for Economic Development of Rural Community in Mankial District Swat	Iftikhar Ahmad, Prof. Dr. Nowshad Khan, Fouzia Anjum

42	Growth and Metal Accumulation in Various Tree Species in Response to Urban Waster Water Irrigation	Muhammad Ayyoub Tanvir, Dr. M. Tahir Siddiqui, Zafar Hussain
43	Significance of Forests in Islam	Engr. Mumtaz Hussain
44	Creating Forests Resources in Thal Desert for Combating Land Degradation	Rana Attaullah Khan
45	An Overview of Forests in Pakistan	Engr. Saeed Iqbal Bhatti

2012 – Green Economy-Does it Include You

46	Making Agricultural Economy Green: Reducing Carbon Emissions Through Improved Irrigation Management	Dr. Asad Sarwar Qureshi
47	Participatory Irrigation Management and its Role in Green Economy	Ch. Karamat Ali, M. Rizwan Aslam
48	Policies for Improving Water Governance for Better Livelihoods – Managing Water for Green Economy and Green Growth – South Asia Perspective	Sardar Muhammad Tariq
49	Short Rotation Energy Plantations	Major (Retd.) Shahnawaz Badar, Dr. Muhammad Afzal, Iftikhar ul Hassan Farooqi
50	Water Shortage and Vegetation	Dr. Muhammad Afzal, Iftikhar ul Hassan Farooqi
51	Construction of Large and Medium Dams for Sustainable Irrigated Agriculture and Environmental Protection	Irshad Ahmad, Dr. Allah Bakhsh Sufi, Shahid Hamid, Wassay Gulrez
52	Energy from Muncipal Solid Waste in the form of Solid Waste Briquettes	Dr. Rai Niaz Ahmad, Muhammad Azhar Alim Abdul Nasir, Altaf Hussain
53	Desertification Control for Improvement of Environment and Sustainable Land Use of Cholistan Desert – Pakisatn	Zamir Ahmed Soomro
54	Management of Agriculture Resources in Changing Environment Prospects	Dr. Allah Bakhsh Sufi, Talib Hussain
55	Water as Crucial and Probably Agriculture's	Lubra N. Bukhari, Zeeshan A. Bhutta

2013 – Think-Eat-Save:

56	A Review of Global Food Security: Production, Wastage, Shortage and Solutions	Ms. Asifa Alam, Dr. Engr. Abdullah Yasar, Dr. Amtul Bari Tabinda
57	Population Explosion and Food Waste	Mrs. Shahida Saleem
58	Food Security Challenges in Pakistan and Strategies to Overcome	Mr. Muhammad Zubair, Mr. Mumtaz Shah, Mr. Kashif Bashir
59	Natural Solution to Water Pollution of River Ravi	Mr. Sohail Ali Naqvi, Mr. Ali Hasnain Sayed
60	Global Food Loss and Waste Within Food Supply Chain (Causes and Preventions with Special Reference to Pakistan)	Ms. Tayyaba Rizvi, Dr. Riffat Saqlain, Mr. Qamber Raza
61	Transforming Food Waste into a Valuable Resource Through Anaerobic co-digestion	Mr. Muzammil Anjum, Dr. Azeem Khalid, Mr. Tariq Mahmood
62	Prospects and Perspectives of Precision Agriculture in Pakistan	Chaudhry Muhammad Ashraf, Hafiz Qaisar Yasin
63	Future Food Challenges for Pakistan Pothwar as Impending Resource for Food Security	Dr. Ghulam Nabi, Mr. Muhammad Ashraf, Mr. Muhammad Masood
64	Impact of Water Resources Management on Agriculture and Environment with Dungi Dam in Pothwar Area	Engr. Muhammad Saeed Arain, Engr. Syed Javed Sultan, Engr. Muhammad Mumtaz

2014 – Effects of Climate Change on Small Island Developing States (SIDS) and its Mitigation:

65	Mitigation of Adverse Impacts of Climate Change in Small Islands Developing States	Dr. Muhammad Afzal Chaudhry
66	A Review of SIDS: Characteristics, Effect of Climate Change and its Mitigation	Sidra Siddiqui, Asifa Alam, Dr. Amtul Bari Tabinda
67	Environmental Change Detection of Urban Land Cover, Agriculture, Forest and Sea Surface temperatures using Sattelite Data	Dr. Badar Ghauri
68	Effects of Climate Change on Small Island Developing States (SIDS) and their Mitigation	Engr. Riaz Nazir Tarar

69	Disaster Vulnerability, Risk Reduction and Mitigation in Small Island Developing States	Saba Dar, Ali Hasnain Syed, Sohail Ali Naqvi
70	Vulnerability of Small Island Developing States to Climate Change	M. Zia ur Rehman Hashmi, M. Munir Sheikh, M. Mohsin Iqbal, Ghazanfar Ali, Arshad M. Khan
71	Climate Change Effects on Small Island Developing States Biodiversity and Related Issues	Dr. Abdul Aleem Chaudhry
72	Small Island States of Indian Ocean and Impacts of Climate Change and its Mitigation	Attia Dastgir, Engr. Ishteqaq Ahmad, Dr. Muhammad Fayyaz Ahmad
73	Environmental Ethics (A Prologue to Sustenance from Air to Oceans and from Islands to Mainlands)	Engr. Usman-e-Ghani

2015 – Water and Sustainable Development:

74	Managing Food Security Through Adaptation to Climate Change in Pakistan: An Overview	Iqra Saleem, Tahreema Farooq, Dr. Abdullah Yasar, Dr. Amtul Bari Tabinda
75	Impacts of Rapid Urbanization on Air Quality and Temperature Variations in Developing Countries – An Overview	Dr. Abdullah Yasar, Dr. Amtul Bari Tabinda, Maham Sajid, Hina Gul
76	Extending Future Water Availability for Human Consumption Through Salvage	Riaz Nazir Tarar
77	Control of Environmental Issues by Safe Usage of Drainage Effluent for Growing of Crops	Engr. Muhammad Saeed, Engr. Munawar Ahmad, Engr. Asim Saeed Malik
78	Study on Impact of Atmospheric Acidification on Carbon Sequestration of Forest Soil Ecology and its Recovery by Calcium-Magnesium (CA-MG) Liming Technique	Muhammad Mansha, Syed Hussain H. Rizvi
79	Water Scarcity; Population Growth and Poverty	Mrs. Shahida Saleem
80	Water Consumption – An Alarming Situation	Ms. Sara Ephraim
81	The More Money You Have the More Waste You Produce	Dr. Muhammad Anwar Baig

82	Seven Billion Dreams and One Planet, Consume with Care	Dr. Muhammad Afzal Chaudhry
83	Spatio Temporal Impact of Tidal Inundation in Indus Deltaic Creek System	Ibrahim Zia, Dr. Naeem Ahmad Syed, Mrs. Hina Zafar
84	Seven Billion Dreams, One Planet, Consume with Care: Ecosystems and Their Services	Dr. Abdul Aleem Chaudhry
85	A Review of Sustainable Consumption and Production to Prevent Resources Exploitation in Order to Save our Planet	Asifa Alam, Sidra Siddique, Dr. Amtul Bari Tabinda, Dr. Engr. Abdullah Yasar
86	Ground Water – A natural Resource Under Serious Threat	Ghulam Zakir Hassan Sial, Ghulam Shabir, Raiz Raza Hassan, Saleem Akhtar

2016 – Join the Race to Make the World a Better Place:

87	Pollution Load Assessment of Open Water Channels in Islamabad City in Relation to Urbanization Pressure	Mehwish Haq Nawaz, Dr. Audil Rashid, Dr. M. Anwar Baig
88	Hydraulic Modeling for Flood Hazard Assessment and Mitigation Measures – A Case Study	Engr. M. Mohsin Munir, Engr. Rizwan Maqsood, Engr. Javed Munir, Engr. Tariq Altaf
89	Experimentation Study to Investigate the Effects of Green Rood Construction on Indoor Temperature in Local Climate Conditions	Imran Tariq
90	Artificial Recharge and IWRM at Community Level – The Balozai Project in Balochistan	Dr. Abdul Majeed
91	Analyzing High-Altitude Temperature Series Using Mann-Kendall and Sen's Slope Tests to Assess Trends in Climate for Upper Indus Basin	Mian Waqar Ali Shah, Asim Rauf Khan
92	Water Availability and Tragedy of Commons	Ruth Naymat Gill
93	Climate Change Poverty Alleviation	Prof. Shahida Saleem
94	Development of Alternative Water Resources in Pakistan: A Review of Rainwater Harvesting Practices	Dr. Abdullah Yasar, Dr. Amtul Bari Tabinda, Muhammad Muzzammil Nadeem, Khadija Inayat

95	Impact of Global Climate Changes on Sustainable Use of Groundwater in Punjab	Ghulam Zakir Hassan, Ghulam Shabir, Saleem Akhtar
96	Environment and Eastern Rivers (Views and Options)	Engr. Usman-e-Ghani
97	Improving Harveted Rain Water Quality of NUST Lakes by Three Stage Portable Water Filter	Dr. M. Anwar Baig, Mehwish Haq Nawaz
98	Turning Deserts into Farmlands	Dr. Naveed Alam, Prof. Dr. Theo N. Olsthoom
99	Illegal Wildlife Trade in Global and Pakistan Context	Dr. Abdul Aleem Chaudhry

2017 – Connecting People to the Nature; in the Cities, on the Land; From the Poles, to the Equator

100	A Brief on Forestry Resources of Cholistan Desert and a Future Potential Opportunity	Fatima Tanveer, Tabbaba Seemab
101	Global Warming, Climate Change (Causes, Impacts, Mitigation, Adaptation)	Aqsa Fayaz, Naveed Anwar, Dr. Abdullah Yasir, Anita Kanwal, Farwah Hassan, Mujtaba Baqir, Dr. Waqas U Din Khan
102	Global Warming, Climate Change, Carbon Capturing and Storage – A Review	Nabia Farrukh, M. Naveed Anwar, Dr. Abdulah Yasir, Amna Aman, Mahnoor Abid, Dr. Waqas u Din Khan, Mujtaba Baqir
103	Stakeholders' Involvement in Natural Sustainability of WAPDA Projects – A Strategy Paying Dividend	Mr. Attia Dastgir, Dr. Fayyaz Ahmad, Sarfraz Naseer
104	Urban Heat Island in Changing Climate (A Case Study of Karachi Heat Wave 2015)	Yasmeen, Z. M. Afzaal, M. Akram Anjum, Burhan A. Khan,
105	Climate Change Impacts, Mitigation and Adaptation Measures	M. Ramzan Javed
106	Environmental Risks Related to Shale Gas Advancement and their Mitigations	Bilal Naveed, Talha Auyub, Muhammad Junaid, Faizan Ahmed

107	Greening the Landscape in Pakistan	Dr. Abdul Aleem Chaudhry
108	Environmental Concerns for Sustainable use of Groundwater for Food Security in Punjab	Ghulam Zakr Hassan, Faiz Raza Hassan
109	Challenges for Environmental Sustainability and Food Security in Pakistan	Azeem Khalid, Shahid Mahmood, Anila Sikandar

2018 – Beat the Plastic

110	Plastics: Environmental Issues and Remedial Solutions	Dr. S. E. Benjamin
111	Integrated Plastic Solid Waste Management (ISWM) System Based on 3R Principle and Resource Conservation and GHG Emissions	Muhammad Sajid, Iqrash Suhaib, Mahnoor Shah, Dr. Asad U Khan, Dr. Nasir M. Ahmad, Asra Tariq
112	Impact of Domestic and Industrial Effluent of Lahore City on Groundwater	Engr. Dr. Muhammad Saeed, Engr. Rahmat Ullah Sheikh, Engr. Muhammad Shoaib, Engr. Jawad
113	Need for Intelligent Transportation System for Reducing Traffic Carbon Pollution in Lahore	M. Munir, M. Shafiq Qureshi, Dr. A. B. Sufi, S. L. Zaidi
114	Reducing Plastics Waste Pollution: Challenges and Key Solution Strategies	Asif Ali Qaiser, Anum Saeed
115	Plastic Pollution and its Impact Water Resources	Ghulam Zakir Hassan, Adnan Hassan, Sumayya Noshin
116	Plastic Pollution: Impacts on Biodiversity	Dr. Abdul Aleem Chaudhry

2019 – Air Pollution

117	Lahore Ambient Air Pollution: Main Root Causes and Impacts on Public Health – A Detailed Review	Dr. Engr. A. Yasar, M. Iftikhar, B. K. Bakht, M. N. Anwar, Dr. A. B. Tabinda, M. Shabbir
118	Understanding the Relation Between Polluted Water and Solid Waste with Air Pollution: Establishing a Case for Lahore	Ifrah Kamil, Farah Nadeem, Arjmand Qayyum, Sohail Ali Naqvi

119	Stakeholder Engagement on Air Quality and Health Impacts	Tayeba Batool
120	AJ&K Ambient Air Quality – Status and Development Strategies	Dr. Abdul Majeed
121	Addressing the Pakistan Air Pollution Crisis: Academia – Industry – Government Roles	Asad U. Khan, Nasir M. Ahmad
122	The Role of Forests in Carbon Sequestration ot Counter Air Pollution	Abdul Aleem Chaudhry
123	Air Quality – Issues and Challenges (Presentation)	Ahmad Rafay Alam

2020 – Environment Day Could Not be Commemorated Because of Covid-19

2021 – Ecosystem Restoration

124	Ecosystem Restoration in Pakistan "A Means of Attaining Social Economic and Environmental Sustainability"	Sahibzad Khan, Nazia Akhtar, Mamoona
125	Nuclear Energy: An Option for Greenhouse Gases Mitigation in Pakistan	Muhammad Saleem Ullah, Muhammad Imtiaz, Ijaz Ahmad
126	Water Stress and Water Wastage Scenario of Pakistan	Prof. Engr. Dr. S. M. Saeed Shah, Engr. Hanan Saif
127	Ecological Restoration in Pakistan	Dr. Abdul Aleem Chaudhry
128	Biodiversity Management Plans – An Overview of DASU Hydropower Project	Engr. Muhammad Shariq Ahmed
129	Forestry Resource Assessment and Restoration Plan	Ibadullah Khan, Irfan Ul Haq
130	The Climate Crisis & Our Future Presentation	Ahmad Rafay Alam

2022 – Only One Earth

131	Seismicity Trends Analysis in and around Pakistan Region between 1900 – 2022	Z. Rari, N. Mahmood, Sajjad, S. Rafiq, M. Butt, A. Najeeb
132	History & Present Situation of Glacier and Development of Ice-dammed Lake in Hunza Basin: Case Study of Hassanabad (Shishper) Glacier	Syed Hammad Ali, Adeel Hassan, Muhammad Tabeen ul Barkaat, Wasim Khan

133	A Policy Paper to Encounter Rising Socio-Political and Climatic Impacts on Looming Water Crisis in Pakistan	Hafiz Hawad Sohail, Dr. Masood Arshad, Sohail Ali Naqvi, Sajjad Ahmad Kamal
134	Circular Plastic Economy: A Road Map to Economic and Environmental Sustainability	Dr. Asif Ali Qaiser
135	Urban Flooding in Lahore: A Study to evolve Mitigation Strategies in the Era of Climate Change	Dr. Saleem Sarwar
136	Monitoring of Toxicity of Pesticide in Fish	Tayyaba Bashir, Imran Hashmi
137	Nuclear Energy; An Option for Greenhouse Gases Mitigation in Pakistan	Muhammad Saleem Ullah, Muhammad Imtiaz, Ijaz Ahmad
138	Renewable Energy Development & Future Prospects	Sheeraz Anwar Khan
139	Impacts of Air Pollution on Human Health in Lahore City, Pakistan: A Review	Muhammad Maaz Arif, Sajid Rashid Ahmad, Muhammad Abu Bakr

2023 – Beat the Plastic Pollution

140	A Conference Paper on "Beating Plastic Pollution: Paving the Way to Cleaner Coastal Areas in Pakistan"	Mahmood Akhtar Cheema
141	Plastic Waste Management in Pakistan: Challenges and Prospects for Transitioning Towards a Circular Economy	Dr. Abdul Qadir
142	Identification and Assessment of Marine Debris Using Satellite and Aerial Imagery in Coastal Waters of Karachi: Impacts on Marine and Coastal Environment	Ibrahim Zia, Rizwan Akhter, Tariq Mehmood, Tahreem Zafar, Maryam Khan
143	Investigating the Potential of Artemia Salina and Daphnia Magna for Microplastics Removal from Water Resources	Mariam Ali, Hassan Shafiq, Hira Amjad, Imran Hashmi
144	Circular Economy: A Transformative Solution to Curbing Plastic Pollution in Pakistan	Sahib Alam Khan, Fatima Mehmood, Muhammad Huzaifa, Syed Tehzeeb ul Hassain, Hira Muzaffar, Dr. Masood Arshad

145	The Silent Invaders: Microplastics and the Impending Global Hazard	Ayesha Awan, Prof. Engr. Dr. Abduallah Yassar, Dr. Mujtaba Baqar, Dr. Amtul Bari Tabinda

2024 – Accelerating Land Restoration, Drought Resilience & Desertification Progress

146	Navigating Climate Challenges: The Multifaceted Impact of Climate Change on Pakistan (Review Paper)	Qurat ul Ain, Azka Tauseef, Arsal Imtiaz
147	Assessing The Environmental Impacts of Droughts and Desertification in Pakistan: Challenges and Mitigation Strategies	Rimsha Azhar, Muhammad Asif, Sajid Rashid Ahmad, Abdul Qadir
148	Comprehensive Strategies for Land Restoration, Drought Resilience, And Combating Desertification in Pakistan	Ghulam Murtaza, Naqshe Zuhra, M. Moaz Khursheed
149	Role of Salinity Mapping in Control of Desertification Progress and Accelerating Land Restoration	Raheel Mustafa Gondal, Muhammad Basharat, Shakeel Ahmad, Muhammad Masood Ahmed Soomro
150	Innovative Trend Analysis Precipitation, Temperatures and SPI Drought Index of Lahore	Hafiz Raziullah, Sohail Ali Naqvi, Masood Arshad, Muhammad Ahmad, Muhammad Imran Azam
151	Assessing The Impacts of Tidal Inundation and Seawater Intrusion on Agriculture and Water Resources in District Badin, Sindh	Ibrahim Zia, Tehreem Zafar, Rizwan Akhtar, Bassam Nasir
152	Role Of Afforestation Initiatives in Restoration and Sustainability of Land Ecosystems and Climate Mitigation in Pakistan	Khadija Aslam, Waqas Ahmad, Nimra Ashraf, Abdul Qadir