LIST OF PREVIOUS PAPERS PRESENTED AT WORLD ENVIRONMENT DAY

Listing 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 Plateau	Rehmatullah Jilani
3.	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 for Pakistan	Dr. 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 Asif
9.	Hydel Power Generation: A Low Carbon Energy Prospect for Prosperous Pakistan	Dr. Allah Baksh Sufi, A. Dastgir and Zahid ul Haq
10.	Re-Utilization of Solid Waste Carbon Saves Economy	Muhammad Khalid Iqbal Tahira Shafiq & Khursheed Ahmad
11.	Low-Carbon Economy – A Pakistani Perspective	Muhammad Daniel Saeed Pirzada
12.	Isotopic and Chemical Characterization of Coal from Selective areas of Pakistan	A. Mashiatullah, T. Javed, R.M. Qureshi, Z. Shah, Z. Latif and Habib-ur-Rehman
13.	ENERCON and Low Carbon Economy	Asif Masood

2009 – Your Planet Needs 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 and Dr. Muhammad Siddique
16.	Vehicular Emissions and their Impacts on Human Health in Karachi – A Case Study	Muhammad Ashiq, Ambreen Kanwal and Said Rehman
17.	Emission Inventory of Lahore – 2007	B.M. Ghauri and 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 and Farkhanda Nahid Pirzada
21.	Unsafe Drinking Water and Health Hazards	Sabir Ali Bhatti and 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 and Atia Dastagir
23.	Impact of Western Economic Policies on the Planet with Special Reference to Pakistan	Dr. Zafar Altaf
24.	Drinking Water Quality Berween Source and Point – of – Use in Satellite Town Rawalpindi – A Case Study	Shaukat Farooq, Imran Hashmi and Sara Qaisar
25.	Drinking Water Quality in Rawalpindi / Islamabad and Adjoining Areas in 2008	Jamal a. Nasir, Birjees Mazhar Qazi, M. Salman and Alam Khatoon
26.	An Overview of Ployethylene 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 Chaudhry

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, Maryum Ibrar 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. Mohsin 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 Ahmed Khurshied Ahmed
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	Prof. Dr. M. Ashfaq, Shahzad M. Basra and Umair Ashfaq
41.	Medicinal Plant Resources for Economic Development of Rural Community in Mankial, District Swat	Iftikhar Ahmad, Prof. Dr. Nowshad Khan and Fouzia Anjum
42.	Growth and Metal Accumulation in Various Tree Species in Response to Urban Waste Water Irrigation	Muhammad Ayyoub Tanvir Dr. M. Tahir Siddiqui and Zafar Hussain
43.	Significance of Forests in Islam	Engr. Mumtaz Hussain
44.	Creating Forests Resources in Thal Desert for Combating Land Degradation	Raja 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 Municipal Solid Waste in the form of Solid Waste Briquettes	Dr. Rai Niaz Ahmad, Muhammad Azhar Ali, Abdul Nasir and Altaf Hussain
53.	Desertification Control for Improvement of Environment and Sustainable Land Use of Cholistan Desert – Pakisan	Muhammad Akram and 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 ultimate Limiting Factor in Transition to a Green Economy	Lubna N. Bukhari and 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	Chaudhary 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 Siddique, Asifa Alam, Dr. Engr. Abdullah Yasar, Dr. Amtul Bari Tabinda
67.	Environmental Change Detection of Urban Land cover, Agriculture, Forest and Sea Surface Temperatures Using Satellite 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 Sayed, 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, Tehreema Farooq, Dr. Abdullah Yasar, Dr. Amtul Bari Tabinda
75.	Impacts of rapid urbanization on air quality and temperature variations in developing countries	Maham Sajid, Hina Gul, Dr. Abdullah Yasar, Dr. Amtul Bari Tabinda
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 Ahmed, 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 Billions 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 Ahmed Syed Mrs. Hina Zafar
84.	Seven Billion Dreams, One Planet, Consume with Care: Ecosystems and their Services	Abdul Aleem Chaudhry Ph.D.
85.	A Review on Sustainable Consumption and Production to Prevent Resource Exploitation in order to Save Our Planet	Asifa Alam, Sidra Siddique, Dr. Amtul Bari Tabinda Dr. Engr. Abdullah Yasar
86.	Groundwater – A Natural Resource Under Serious Threat	Ghulam Zakir Hassan, Ghulam Shabir, Faiz 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 Food 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 Effect of Green Roof Construction on Indoor Temperature in Local Climatic 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 M. Muzzamil Nadeem, Khadija Inayat
95.	Impact of Global Climatic Changes on Sustainable Use of Groundwater in Punjab	Ghulam Zakir Hussain Ghulam Shabir Saleem Akhtar

96.	Environment and Eastern Rivers (Views and Options)	Engr. Usman-e-Ghani
97.	Improving Harvested 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. Theno N. Olsthoom
99.	Illegal Wildlife Trade in Global and Pakistan Context	Dr. Abdul Aleem Chaudry

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 and Tayyaba Seemab
101.	Global Warming, Climate Change (Causes, Impacts Mitigation, Adaptation) and Carbon Di-Oxide Measurement; A Review	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. Abdullah 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 Zakir Hassan, Faiz Raza Hassan
109.	Challenges for Environmental Sustainability and Food Security in Pakistan	Azeem Khalid, Shahid Mahmood, Anila Sikandar

2018 – Beat the Plastic Pollution

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 Goundwater	Engr. Dr. Muhammad Saeed, Engr. Rahmat Ullah Sheikh, Engr. Muhammad Shoaib, Engr. Muhammad 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 to Counter Air Pollution	Abdul Aleem Chaudhry
123.	Air Quality – Issues and Challenges (Presentation)	Ahmad Rafay Alam
	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	Ahmad Rafay Alam
	2022 – Only One Earth	
131.	Seismicity trend analysis in and around Pakistan region between 1900 – 2022.	Z. Rafi, 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 Jawad 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 and 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