

**WORLD WATER DAY CELEBRATION BY
PAKISTAN ENGINEERING CONGRESS ON 22 MARCH 2015
ON THEME OF 'WATER AND SUSTAINABLE DEVELOPMENT'**

List of Contributed Papers

Sr. No.	Topic	Paper Title	Author(s)
A. Overview			
1.		Water and Sustainable Development - Contextual Global and National Overview	Mr. Riaz Nazir Tarar
2.		Sustainable Development of Water Resources - The Deepening Crises in Pakistan	Mr. Asrar-ul-Haq & Miss Afaf Ayesha
3.		Water Crisis and Further Options in Pakistan	Dr. Muhamamd Nawaz Bhutta
B. Surface Water			
4.		Water and Sustainable Development in Pakistan	Dr. Izhar-ul-Haq, & Mr. Asim Rauf Khan
5.		Sustainability of Water in Pakistan	Mr. Abdul Khaliq Khan
6.		Surface Water Resources and Their Sustainable Development in Pakistan	M/s Barkat Ali Luna & Muhammad Jabbar
7.		The Application of Yield Models in Reservoir Optimization of Large Dams	Mr. Usman-e-Ghani
C. Ground Water			
8.		Groundwater Environment and Evaluation of Long-Term Sustainability of Aquifer Under Lahore	Dr. Muhamamd Basharat
9.		Sustainable Conjunctive Use of Groundwater for Additional Irrigation	Dr. Naveed Alam
10.		Recharging of Depleting Groundwater Aquifer in Punjab, Pakistan - A Case Study	M/s Javed Munir, M. Mohsin Munir & Abbas Ali
11.		Groundwater Recharge Estimation in Irrigated Area – A Case Study of Rechna Doab Punjab, Pakistan	M/s Ghulam Zakir Hussain, Abdullah Yasar, Saleem Akhtar & Faiz Raza

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D. Water Management			
12.		Using Compost in Bioretention System for Stormwater Management	M/s Hamid Iqbal, Muhamamd Anwar Baig, Markus Flury & Miss Jessica M. Mullane
13.		Evaluation of Different Techniques for the Safe Usage of Manchar Drainage Effluent for Growing of Crops	M/s Muhammad Saeed, Munawar Ahmad, Asim Saeed Malik, Muhamamd Qaim Channa, Munawar Ali, Khalid Mahmood Subhani
14.		Integrated Water Resource Management - Case Study of Alborz Project, Iran	Dr. Mansoor A. Hashmi
15.		Trends in Levels of Disinfection by Products in Drinking Water of Twin Cities	Miss Sidra Abbas, Dr. Imran Hashmi, Miss Sajida Rashid and Romana Khan
E. Water Conservation			
16.		High Efficiency Irrigation Systems - A Transformation in the Conventional Irrigation Practices in the Punjab	Ch. Muhammad Ashraf, Dr. Muhammad Asif and Hafiz Qaiser Yasin
17.		Sustainable Efficient Irrigation Method for Rice and Wheat Crops	Mr. Zamir Ahmad Soomro
18.		Seepage and Economics of Canal Lining in LBDC – Worksheet Model Application	M/s Ijaz Javed, Asim Saeed Malik & Hafeez-ur-Rehman
19.		Significance of Water Conservation for Sustainability of Water Resources in Pakistan	M/s Ishteqaq Ahmad Kokab, Hussain Afzal & Adnan Yousaf