

A. Publications in Peer Reviewed Journals:

1. Muhammad. J., Khan. M.Z., Muhammad A. and H. Khan. 2023. Correlation of Submerged Aquatic Weeds with Water Quality and its Implications on Channel Velocity (manuscript number HELIYON-D-23-13609): *Under review*.
2. Ul Islam. S., **Khan. M. Z.** and H. Khan. 2021. Effect of hydrophytes on the performance of secondary canal; Yar Hussain Minor, Swabi- Khyber Pakhtunkhwa, Pakistan. *Pak. J. Weed Sci. Res.*, 27(4): 565-576. DOI: <https://doi.org/10.28941/pjwsr.v27i4.956>
3. Ghumman, A.R., Ahmad.S., Rehman. S. and **M. Z. Khan**. 2018. Investigating management of irrigation water in the upstream control system of the Upper Swat Canal. *Iran J. Sci. Technol. Tran. Civ. Eng.* **42**, pages153–164
4. Ghumman, A.R., Ahmad, S., Rehman. S. and **M. Z. Khan**. 2018. Investigating management of irrigation water in the upstream control system of the Upper Swat Canal. *Iran J. Sci. Technol. Tran. Civ. Eng.* **42**, pages153–164
5. Ghumman A.R., Khan. R.A, Khan Q.U.Z and **Z. Khan**. 2012. Modelling for various design options of a canal system. *Water Resources management*. Springer Science. Published online DOI 10.1007/s11269-012-0022-4.
6. Shah.T., Ul Hassan. **M, Z. Khattak**, M.Z, Banerjee. P.S, Singh. O.P, and S. Rehman. 2009. Is Irrigation water free? A reality check in the Indo-Gangetic Basin. *World Development*. Vol. 37 No. 2 422-434
7. Ghumman, A.R., **Khan, M.Z.** and H. Tural.. 2009. Study of feasibility of night-closure of irrigation canals for water saving. *Agricultural Water Management*. 96 (2009) 457-464.
8. **Khan, M.Z.** and A.R. Ghumman. 2008. Hydrodynamic modelling for water-saving strategies in Irrigation canals. *Irrigation and Drainage*. Published online in Wiley InterScience (www.interscience.wiley.com) DOI: 10.1002/ird.375.
9. Ul-Hassan, M., T. Shah, S. Ur. Rehman, M. Z. Khattak, F. Tanwir, M. Z. K. , A. Saboor, and B. K. Lashari. 2008. Diesel price hike and the energy squeeze on Pakistan's smallholder irrigators. *Journal of Applied Irrigation Sciences*, 43(1): 19-40.
10. Ghumman, A.R., **Khan, M.Z.** Khan, A.H. and S. Munir. 2008. Assessment of operational strategies for logical and optimal use of irrigation water in a downstream control system. Published online in Wiley InterScience (www.interscience.wiley.com) DOI: 10.1002/ird.464.
11. Khan. G.D., M. Shah, M. Tariq, **M. Z. Khan** and Naveedullah. 2007. Impact of water table depths on the physical properties of salt affected soil and yield of sugarcane in Mardan SCARP area. *Sarhad J. Agric.* Vol. 23, No. 2.
12. **Khan, M.Z.**, Ghumman, A.R., Khattak. M.K. and G.D. Khan. 2007. Use of Hydrodynamic Modeling to Assess the Performance of Dagai Distributary of Maira Branch of Upper Swat Canal Irrigation System. *Sarhad J. Agric.* Vol. 23, No. 4.
13. Khan. G.D., M. Shah, M. Tariq, **M. Z. Khan** and Naveedullah. 2007. Impact of water table depths on the physical properties of salt affected soil and yield of sugarcane in Mardan SCARP area. *Sarhad J. Agric.* Vol. 23, No. 2.

14. N. Ahmad., J.A. Tariq., **M.Z. Khan** and M. A. Shah. 2007. Evaluation of Water Management Practices at Three Outlets of Joe Sheikh Canal Peshawar, Pakistan. Sarhad J. Agric. Vol. 23, No. 4.
15. Ghumman, A.R., **M.Z.Khan**, G. D. Khan and M. K Khattak. 2007. Assessment of supply and irrigation demand for Dagai Distributary of the Maira Branch of Upper Swat Canal Irrigation System. Sarhad J. Agric. Vol. 23, No. 2.
16. M. K. Khattak, Mughal. A.Q., Jamal.L. A., Khan.S. A. and M. Z. Khan. 2007. Economic evaluation of deep and shallow tillage practices under maize fallow rotation. Sarhad J. Agric. Vol. 23, No. 2.
17. Ghumman, A.R., **Khan, M.Z.**, and M.J.Khan. 2006. Use of Numerical Modeling for Management of Canal Irrigation Water. Irrigation and Drainage. 55: 445-458.
18. **M. Z. Khan.**, M. K. Khattak, M.J.Khan. and M. Asrar. 2005. Comparison of Water Supply and Demand for the Rabi Season at Tertiary Level in The Command of the Jui Sheikh Canal Irrigation System. Sarhad J. Agric. Vol.21, No.3, 2005.
19. M. . Khan., **M.Z. Khan.**, S. Ahmad and M. Asrar. 2000. Hydraulic Performance Evaluation of Surezai Minor of the Warsak Gravity Canal Irrigation System. Sarhad J. Agric.Vol. 16 No. 4.
20. N. Ahmad., M.Z. Khan., and A. A. Khan. 2004. Effect of salinity and Sodcity on Crop Production at Kot Kashmir (Lakki Marwat). Sarhad J. Agric. Vol.20, No.4, 2004.

B. Publications in Workshop/Seminar Proceedings:

1. Khan, M. J. Khan, Khattak. M. K. and M. Z. Khan, 2006. "Evaluation of traditional Rod-Kohi irrigation system of D. I. Khan, Proceeding of the International Conference on Water and Environment, held in Agriculture University Faisalabad, October 2006
2. Ghumman, A.R., Khan M.Z. and M. J. Khan, 2005. Investigation of waterlogging and salinity using geographic information system. International Conference on GIS & RS Riyadh, Saudi Arabia.
3. Ghumman A.R., Khan M.Z. and M. J. Khan, 2004. Use of geographical information system (GIS) to evaluate salinity and changes in water tables in SCARP Mardan. International Seminar on Salinity Mitigation for Efficient Water Resources Management, September 25, 2004.
4. Khan. M. J., K. S. Babar and M. Z. Khan. 1999. Hydraulic Performance Evaluation of Pabbi Minor of Warsak Gravity Canal Irrigation System. Proceedings of Pakistan Council for Research in Water Resources.