

CURRICULUM VITAE
DR. FAISAL MEHMOOD

(Gold Medalist & Silver Medalist)

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PERSONAL

Father's Name : Abdul Ghafoor
Date of Birth : 8th March 1985
Marital Status : Married
C.N.I.C No. : 42501-0289504-1
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Nationality : Pakistani
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PROFESSIONAL EXPERIENCE

16th December, 2021-Present: Assistant Professor, Department of Land & Water Management, Faculty of Agricultural Engineering, Sindh Agriculture University, Tandojam.

September, 2019–15th Dec., 2021: Assistant Professor, Department of Farm Power & Machinery, Faculty of Agricultural Engineering, Sindh Agriculture University, Tandojam.

May., 2014–August, 2019: Lecturer, Department of Farm Power & Machinery, Faculty of Agricultural Engineering, Sindh Agriculture University, Tandojam.

October, 2013 –April, 2014: Research Officer, International Water Management Institute Pakistan.

December, 2012–Sep., 2013: Junior Engineer, G3 Engineering Consultants Pvt Ltd Pakistan (Sindh On-farm Water Management Additional Financing Project).

February 2011-June, 2012: Junior Field Engineer in MMP (Mott Mac Donald Pvt) Consultants, Badin (National Program of Improvement of Watercourses Project).

ACADEMIC QUALIFICATION

- Ph.D. in Agricultural Water-soil Engineering from Graduate School of Chinese Academy of Agricultural Sciences (2019); Thesis title: Effects of different irrigation scheduling and irrigation methods on greenhouse gas emissions from winter wheat field in the North China Plain.
- M.E (Agriculture) in Land and Water Management from SAU, Tandojam (2013); Thesis title: Determination of hydraulic properties of soils using numerical models.
- B.E. (Agriculture) from SAU, Tandojam (2010); Project title: Comparison between continuous leaching and intermittent leaching methods for the reclamation of saline soil.

AWARDS / ACHIEVEMENTS

- Gold Medal for securing 1st Class 1st Position in B.E. (Agriculture), Faculty of Agricultural Engineering in regular examination.
- Silver Medal for securing 1st Class 1st Position in M.E (Agriculture), Faculty of Agricultural Engineering in regular examination.

PUBLICATIONS

Total Impact Factor: 39.023

1. Zain, M., Si, Z., Chen, J., **Mehmood, F.**, Ur Rahman, S., Shah, A.N., Li, Sen, Gao, Y., Duan, A., (2021). Suitable nitrogen application mode and lateral spacing for drip irrigated winter wheat in North China Plain. PLoS ONE 16(11): e0260008 (**SCI: Impact Factor: 3.752**).
2. **Mehmood, F.**, Wang, G., Gao, Y., Liang, Y., Zain, M., Rahman, S.U., Duan, A., 2021. Impacts of Irrigation Managements on Soil CO₂ Emission and Soil CH₄ Uptake of Winter Wheat Field in the North China Plain. Water 13, 2052 (**SCI: Impact Factor: 3.53**).
3. Rahman, S.U., Xuebin, Q., Yasin, G., Cheng, H., **Mehmood, F.**, Zain, M., Shehzad, M., Ahmad, M.I., Riaz, L., Rahim, A., 2021. Role of silicon on root morphological characters of wheat (*Triticum aestivum* L.) plants grown under Cd-contaminated nutrient solution. Acta Physiologiae Plantarum 43, 1-13 (**SCI: Impact Factor: 2.736**).
4. Zain, M., Si, Z., Li, S., Gao, Y., **Mehmood, F.**, Rahman, S.-U., Mounkaila Hamani, A.K., Duan, A., 2021. The Coupled Effects of Irrigation Scheduling and Nitrogen Fertilization Mode on Growth, Yield and Water Use Efficiency in Drip-Irrigated Winter Wheat. Sustainability 13, 2742 (**SCI: Impact Factor: 3.889**).
5. Ur Rahman, S., Xuebin, Q., Zhao, Z., Du, Z., Imtiaz, M., **Mehmood, F.**, Hongfei, L., Hussain, B., Ashraf, M.N., 2021. Alleviatory effects of Silicon on the morphology, physiology, and antioxidative mechanisms of wheat (*Triticum aestivum* L.) roots under cadmium stress in acidic nutrient solutions. Scientific Reports , 11, 1-12. (**SCI: Impact Factor: 4.996**).
6. Hamani, A. K. M., Wang, G., Soothar, M. K., Shen, X., Gao, Y., Qiu, R., & **Mehmood., 2020**. Responses of leaf gas exchange attributes, photosynthetic pigments and antioxidant enzymes in NaCl-stressed cotton (*Gossypium hirsutum* L.) seedlings to exogenous glycine betaine and salicylic acid. BMC Plant Biology. 20 (1), 434. (**SCI: Impact Factor: 5.26**).
7. Si, Z., Zain, M., **Mehmood, F.**, Wang, G., Gao, Y., & Duan, A. 2020. Effects of nitrogen application rate and irrigation regime on growth, yield, and water-nitrogen use efficiency of drip-irrigated winter wheat in the North China Plain. Agricultural Water Management, 231, 106002. 562 (**SCI: Impact Factor: 6.611**).
8. **Mehmood, F.**, Wang, G., Gao, Y., Liang, Y., Chen, J., Si, Z., Duan, A. 2019. Nitrous oxide emission from winter wheat field as responded to irrigation scheduling and irrigation methods in the North China Plain. Agricultural Water Management, 222, 367-374 (**SCI: Impact Factor: 6.611**).
9. Siyal, A., **Mehmood, F.**, & Siyal, A. 2014. ESTIMATING HYDRAULIC PROPERTIES OF SOME SOIL SERIES OF SINDH. Pakistan Journal of Agriculture, Agricultural Engineering and Veterinary Sciences, 30 (2), 205-215.
10. Tagar, A., Siyal, A., Brohi, A., & **Mehmood, F. 2010**. Comparison of continuous and intermittent leaching methods for the reclamation of a saline soil. Pakistan Journal of Agriculture, Agricultural Engineering and Veterinary Sciences, 26 (2), 36-47.