

ENGR. AHMAD MUJTABA

House No. 2863/8M, Chowk Shaheedan, Multan – Pakistan

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✓ *AREA OF INTEREST*

✈ Hydrology, High Efficiency Irrigation System, Farm Mechanization and Earth Moving Equipment, Spatial Data Modelling using GIS and Remote Sensing, Irrigation System Management, Open Channel Hydraulics.

✓ *PERSONAL INFORMATION*

✈ Father's Name	Shahbaz Hussain
✈ Nationality	Pakistani
✈ Passport No	CF0578121

✓ *EDUCATION*

✈ <u>M.Sc. (Water Resources Engineering)</u>	(2015 – 2018)
University of Engineering and Technology, Lahore – Pakistan	(3.525/4.000)
✈ <u>B.Sc. (Agricultural Engineering)</u>	(2011 – 2015)
Bahauddin Zakariya University, Multan – Pakistan	(3.620/4.000)
✈ <u>F.Sc. (Pre – Engineering)</u>	(2008 – 2011)
Board of Intermediate and Secondary Education, Multan – Pakistan	(77.545 %)
✈ <u>Matriculation. (Science)</u>	(2006 – 2008)
Board of Intermediate and Secondary Education, Multan – Pakistan	(82.353 %)

✓ *SOFTWARE SKILLS*

✈ AutoCAD	✈ Hydrologic Engineering Center (HEC) Software
✈ ArcGIS	✈ Surfer, WaterGEMS, SewerGEMS
✈ Groundwater Modelling (MODFLOW)	✈ EndNote, Mendeley

✓ EXPERIENCE

Internship at WWF –Pakistan

(February 16th, 2017 to May 16th, 2017)

- ✈ Organizing capacity building workshops for adopting water conservation techniques at farm level
- ✈ Identification of groundwater fluctuations through various piezometers
- ✈ Numerical simulation of groundwater fluctuations

Internship at National Agricultural Research Centre – Islamabad-Pakistan

(June 16th, 2014 to August 15th, 2014)

- ✈ Designing and adoption of high efficiency irrigation techniques
- ✈ Evaluation of groundwater management to sustain crop production
- ✈ Optimizing water management practices to improve water productivity

✓ RESEARCH PUBLICATIONS (Impact Factor=9.15)

- ✈ **Mujtaba, A.**, Nabi, G., Masood, M., Iqbal, M., Asfahan, H. M., Sultan, M., Majeed, F., Hensel, O., & Nasirahmadi, A. (2022). Impact of Cropping Pattern and Climatic Parameters in Lower Chenab Canal System – Case Study from Punjab Pakistan. Agriculture, 12(5), 708. <https://doi.org/10.3390/agriculture12050708> (IF=3.408)
- ✈ **Mujtaba, A.**, Nabi, G., Masood, M., Sultan, M., Saleem, A., Saleem, A., Ali, A., & Ghaffar, M. A. (2022). Development of Water Management Strategies in Arid Region of Punjab Pakistan. Fresenius Environmental Bulletin, 31(1), 500–509. (IF=0.618)
- ✈ Ali, A., Luo, W., Wu, W., Jia, Z., Anjum, H. A., Zou, J., Sultan, M., **Mujtaba, A.**, Altaf, A., & Iqbal, M. A. (2021). Experimental Study of Nitrogen Removal from Denitrification Bioreactors by Using Mixture of Rice-Husk and Woodchips. Fresenius Environmental Bulletin, 30(12), 13032–13040. (IF=0.618)
- ✈ Anjum, H. A., Luo, W., Tang, Y., Ali, A., Tang, S., Sultan, M., Ali, I., **Mujtaba, A.**, & Ameen, A. (2021). Experimental Study on Reducing Nitrate Loads From Agricultural Wastewater in a Rice Husk Denitrifying Bioreactor. Fresenius Environmental Bulletin, 30(11A), 12285–12294. (IF=0.618)
- ✈ Waseem, M., Ahmad, I., **Mujtaba, A.**, Tayyab, M., Si, C., Lü, H., & Dong, X. (2020). Spatiotemporal Dynamics of Precipitation in Southwest Arid-Agriculture Zones of Pakistan. Sustainability, 12(2305), 1–18. (IF=3.889)

✓ WORKSHOPS/CONFERENCES

- ✈ Workshop on "Groundwater Modelling and Management" (November 29th, 2016 to December 3rd, 2016) at University of Engineering and Technology, Lahore-Pakistan
- ✈ Workshop on "Application of GIS and Remote Sensing in Water Resources Management" (February 20th, 2017 to February 24th, 2017) at University of Engineering and Technology, Lahore-Pakistan
- ✈ International Conference on "Hydropower-A Vital Source of Sustainable Energy for Pakistan" (December 19th, 2017 to December 20th, 2017) at University of Engineering and Technology, Lahore-Pakistan
- ✈ Workshop on "Sediment Transport Modelling in Rivers and Reservoirs" (January 16th, 2018) at University of Engineering and Technology, Lahore-Pakistan
- ✈ Workshop on "Hydrological Analysis and Operation of Large Dams" (October 3rd, 2018) at University of Engineering and Technology, Lahore-Pakistan
- ✈ Workshop on "Groundwater Modelling and Management" (March 4th, 2019 to March 8th, 2019) at University of Engineering and Technology, Lahore-Pakistan
- ✈ Workshop on "Engineering Design and Analysis of Embankment Dams" (April 22nd, 2019 to April 23rd, 2019) at University of Engineering and Technology, Lahore-Pakistan
- ✈ Workshop on "Basin Assessment Scenario Intervention Tool (BASIT)" (May 2nd, 2019 to May 3rd, 2019) at WWF, Lahore-Pakistan
- ✈ Workshop on "GIS Application and Spatial Data Analyst for Water Management" (July 16th, 2019 to July 17th, 2019) at University of Engineering and Technology, Lahore-Pakistan
- ✈ Workshop on "Hydrological Modelling: Application of SWAT and HEC-HMS Models" (August 28th, 2019) at University of Engineering and Technology, Lahore-Pakistan
- ✈ Workshop on "Climate Change and Water (International Seminar)" (December 2nd, 2020) at University of Engineering and Technology, Lahore-Pakistan
- ✈ Workshop on "Development of Technical Team and Execution of a Project (Part-II)" (April 3rd, 2021) at Pakistan Engineering Council, Islamabad-Pakistan

✓ REFERENCE

- ✈ Furnished on demand