

# Muhammad Amjad

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## About

Dr. Muhammad Amjad is working as Assistant Professor in the Military College of Engineering. Dr. Muhammad Amjad has a PhD in Water Resources (Hydrology). Dr. Muhammad Amjad has published 8 research articles & conference papers having a citation count of 280, carried out 1 projects and filed 0 intellectual property.

## Qualifications

<b>PhD in Water Resources (Hydrology)</b> Middle East Technical University , Turkey	2014 - 2020
<b>MSc in Water Resources Management</b> UET Lahore , Pakistan	2010 - 2013
<b>BSc in Agriculture Engg</b> BZU, Multan , Pakistan	2008 - 2010

## Experience

<b>Assistant Professor</b> Military College of Engineering	2022- Present
<b>Assistant Professor</b> Military College of Engineering	2021 - 2022

## Research Projects

<b>National Projects</b>	
<b>A Sensor-driven IoT-based Climate Smart Irrigation System</b> Funding Agency: NUST Amount: PKR 8,600,000.00 Status: Approved_inprocess	2024

### International Projects

Research Articles

Accuracy assessment of potential alternatives to observed precipitation for extremes over complex topography

Muhammad Amjad Naeem Shahzad Wajeeh Ul Hassan

Theoretical and Applied Climatology , Volume 156, Article Number 42

Impact Factor: 2.800 | Quartile: 3

DOI: <https://doi.org/10.1007/s00704-024-05232-x>

Investigating the comparative utility of ECMWF precipitation forecasts as an alternative to reanalysis data

Muhammad Amjad M. Tugrul Yilmaz Ismail Yucel Koray K. Yilmaz Kurtulus Ozturk

Hydrological Sciences Journal , Pages 1-22

Impact Factor: 2.8 | Quartile: 2 | Citations: 1

DOI: <https://doi.org/10.1080/02626667.2024.2355204>

An explainable two-stage machine learning approach for precipitation forecast

Muhammad Amjad Ali Ulvi Galip Senocak M. Tugrul Yilmaz Sinan Kalkan Ismail Yucel

Journal of Hydrology , Volume 627, Part A, Article Number 130375

Impact Factor: 6.4 | Quartile: 1 | Citations: 17

DOI: <https://doi.org/10.1016/j.jhydrol.2023.130375>

Global spatiotemporal consistency between meteorological and soil moisture drought indices

Muhammad Amjad (Asst Prof Dr) Bulut, B. Afshar, M.H. Duzenli, E. Yilmaz, M.T.

Agricultural and Forest Meteorology , Volume:316,

Impact Factor: 6.424 | Quartile: 1 | Citations: 82

DOI: [10.1016/j.agrformet.2022.108848](https://doi.org/10.1016/j.agrformet.2022.108848)

Performance evaluation of satellite- and model-based precipitation products over varying climate and complex topography

Muhammad Amjad M. Tugrul Yilmaz Ismail Yucel Koray K. Yilmaz

Journal of Hydrology , Volume 584, Article Number 124707

Impact Factor: 4.877 | Quartile: 1 | Citations: 169

DOI: <https://doi.org/10.1016/j.jhydrol.2020.124707>

Investigation of the dependence of satellite-based precipitation estimate errors to distance from the coastline Uydu Kaynaklı Yağmur Verilerinin Hata Oranlarının Deniz Kiyilarına Olan Uzaklığa Bağlı Analizi

Muhammad Amjad Meriç Yilmaz Burak Bulut M. Tuğrul Yılmaz

Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers, Volume 28, Issue 3, Pages 7993-8005

Impact Factor: 0.184 | Quartile: 4 | Citations: 2

DOI: <https://doi.org/10.18400/tekderg.306970>

Book Chapters

Hydrometeorological Extremes and Climate Profiling of Pakistan

Muhammad Amjad

In: Book on Water and Environment for Sustainability - Case Studies from Developing Countries, Chapter 1, Pages 1-16

Citations: 1

DOI: [10.1007/978-3-031-27280-6\\_1](https://doi.org/10.1007/978-3-031-27280-6_1)

Climate Change and Food Security in Pakistan

Dr. Muhammad Amjad Dr. Naeem Shahzad

In: Sustainable Agriculture and Food Security, 1st Edition, Pages: 579-594

Citations: 8

DOI: [10.1007/978-3-030-98617-9\\_33](https://doi.org/10.1007/978-3-030-98617-9_33)

Editorial Activities

<b>Theoretical and Applied Climatology</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.1	2024
<b>Environmental Monitoring and Assessment</b> Reviewed Papers for Journals <b>Impact Factor:</b> 2.9	2024
<b>Environmental Monitoring and Assessment</b> Reviewed Papers for Journals <b>Impact Factor:</b> 2.9	2023
<b>Journal of Hydroinformatics - IWA Publishing</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.058	2023
<b>Journal of Hydro informatics</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.058	2022
<b>Journal of Hydrology: Regional Studies</b> Reviewed Papers for Journals <b>Impact Factor:</b> 4.7	2022
<b>Journal of Hydroinformatics - IWA Publishing</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.058	2022
<b>Journal Of Hydroinformatics</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.058	2021
<b>Scientia Iranica</b> Reviewed Papers for Journals <b>Impact Factor:</b> 1.416	2021