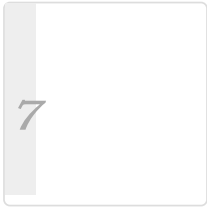


Muhammad Umair

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About

Dr. Muhammad Umair is working as Assistant Professor in the Institute of Geographical Information Systems. Dr. Muhammad Umair has a PhD in Water Resources Engineering. Dr. Muhammad Umair has published 6 research articles & conference papers having a citation count of 140, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Water Resources Engineering	2016 - 2020
BE in Gis And Rs	2010 - 2014

Experience

Assistant Professor	2021- Present
Institute of Geographical Information Systems	
Assistant Professor	2020- Present
Institute of Geographical Information Systems	
	- Present

Awards

HEC	2016
Higher Education Commission (HEC), MS leading to Ph.D. scholarship.	

Professional Memberships

PEC	Since 2015
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Deep neural network for crop classification using multitemporal data: A case study of Sialkot, Pakistan

2024

Shoaib Akhtar Muhammad Ali Tahir Salman Atif Ejaz Hussain Muhammad Umair Muhammad Shahzad Qudsia Gulzar
Journal of Pure and Applied Agriculture, Volume 9(2), Pages 95-108

Impact Factor: N/A

DOI: <https://ojs.aiou.edu.pk/index.php/jpaa/article/view/2765>

Water use efficiency in terrestrial ecosystem over East Asia: Effects of climate regimes and land cover types

2021

Daeun Kim Jongjin Baik Minha Choi Daeun Kim Jongjin Baik Muhammad Umair Minha Choi
Science of the Total Environment, Volume 773, Article Number 145519

Impact Factor: 10.754 | **Quartile:** 1 | **Citations:** 31

DOI: <https://doi.org/10.1016/j.scitotenv.2021.145519>

Evaluation of atmospheric and terrestrial effects in the carbon cycle for forest and grassland ecosystems using a remote sensing and modeling approach

2020

Muhammad Umair Daeun Kim Ram L. Ray Minha Choi
Agricultural and Forest Meteorology, Volume 295, Article Number 108187

Impact Factor: 5.734 | **Quartile:** 1 | **Citations:** 14

DOI: <https://doi.org/10.1016/j.agrformet.2020.108187>

Impact of climate, rising atmospheric carbon dioxide, and other environmental factors on water-use efficiency at multiple land cover types

2020

Muhammad Umair Daeun Kim Minha Choi
Scientific Reports, Volume 10, Article Number 11644

Impact Factor: 4.380 | **Quartile:** 1 | **Citations:** 39

DOI: <https://doi.org/10.1038/s41598-020-68472-7>

Impacts of land use/land cover on runoff and energy budgets in an East Asia ecosystem from remotely sensed data in a community land model

2019

Muhammad Umair Daeun Kim Minha Choi
Science of The Total Environment, Volume 684, Pages 641-656

Impact Factor: 6.551 | **Quartile:** 1 | **Citations:** 25

DOI: <https://doi.org/10.1016/j.scitotenv.2019.05.244>

Estimating land surface variables and sensitivity analysis for CLM and VIC simulations using remote sensing products

2018

Muhammad Umair Daeun Kim Ram L. Ray Minha Choi
Science of The Total Environment, Volume 633, 15 August 2018, Pages 470-483

Impact Factor: 5.589 | **Quartile:** 1 | **Citations:** 31

DOI: <https://doi.org/10.1016/j.scitotenv.2018.03.138>