

Muhammad Waqas Alam Chattha

Assistant Professor

Atta-Ur-Rahman School of Applied Biosciences

Email: mchattha@asab.nust.edu.pk

Contact: 0418766461

LinkedIn:



About

Dr. Muhammad Waqas Alam Chattha is working as Assistant Professor in the Atta-Ur-Rahman School of Applied Biosciences. Dr. Muhammad Waqas Alam Chattha has a PhD in Agricultural And Resource Economics/Spatial Analysis. Dr. Muhammad Waqas Alam Chattha has published 6 research articles & conference papers having a citation count of 16, carried out 1 projects and filed 2 intellectual property.

Qualifications

PhD in Agricultural And Resource Economics/Spatial Analysis University of Sydney , Australia	2013 - 2018
MPhil in Agricultural Economics University of Agriculture Faisalabad , Pakistan	2003 - 2005
MSc in Computer Sciences University of Agriculture Faisalabad , Pakistan	2000 - 2003
BSc in Agricultural Economics University of Agriculture Faisalabad , Pakistan	1996 - 2000

Experience

Assistant Professor Atta-Ur-Rahman School of Applied Biosciences	2024- Present
Assistant Professor Atta-Ur-Rahman School of Applied Biosciences	2020 - 2020
Consultant/Post Doctoral researcher/Cons. Plant Breeding Institute-University of Sydney Australia , 107-Cobbitty Road Cobbitty, NSW 2570, Australia	2016 - 2019
Lecturer University of Agriculture Faisalabad , Jail Road, University of Agriculture Faisalabad, Pakistan	2006 - 2011
Agricultural Finance Officer HBL Pvt. Ltd./Credit and Commerce consultant pvt LTD , 415, 4th Flr., Progressive PlazaBeaumont Road, Civil Lines, Karachi 74000, Sindh, Pakistan	2005 - 2006

Industry Projects

National Projects	
Water Use Efficiency of Drip Irrigation System Client: Nestle Amount: PKR 2,135,000.00 Status: Completed	2021

International Projects

Research Articles

Assessing the environmental, economic, and social impacts of industrial mining on agricultural communities in Sierra Leone: A sustainable approach using PLS-SEM	2025
Muhammad Waqas Alam Chattha Almazea Fatima Peter C. Thomson Luciano Adrián González Muhammad Farooq Hyder Braima Pascal Komba	
Cleaner and Responsible Consumption , Volume 16, Article Number 100250	
Impact Factor: N/A Citations: 2	
DOI: https://doi.org/10.1016/j.clrc.2025.100250	
Spirulina and chlorela derived hard candies as functional food	2024
Shafia Maryam Mecit Halil Oztop Sarper Doğdu Mehmet Ali Marangoz Muhammad Qasim Hayat Ramish Riaz Muhammad Waqas Alam Chattha Hussnain	
Ahmed Janjua Zeshan Zeshan	
Journal of Functional Foods, Volume 123, Article Number 106565	
Impact Factor: 3.800 Quartile: 2	
DOI: https://doi.org/10.1016/j.jf.2024.106565	
Economic Analysis of Fertilizer use and its Price Variability Effects on Wheat Productivity in Punjab- A Case Study of Faisalabad	2024
Sadia Rashid Muhammad Waqas Alam Chattha Almazea Fatima Muhammad Farooq Hyder Nazia Tabasam	
Sarhad Journal of Agriculture , Volume:40, Issue:4, Page:1172-1180	
Impact Factor: N/A	
DOI: https://dx.doi.org/10.17582/journal.sja/2024/40.4.1172.1180	
Emerging Business: Cut-Rose and Gladiolus Production by Small-Scale Florists in Pakistan	2024
Muazzam Hashmi Braima Pascal Komba Muhammad Waqas Alam Chattha Almazea Fatima Muhammad Farooq Hyder	
Sarhad Journal of Agriculture , Volume:40, Issue:2, Pages:570-577	
Impact Factor: N/A	
DOI: https://dx.doi.org/10.17582/journal.sja/2024/40.2.570.577	
Lipid extraction and analysis of microalgae strain pectinodesmus PHM3 for biodiesel production	2023
Dania Akram Kiyani Shafia Maryam Sundus Jabeen Amina Abdullah Ahmad Muhammad Waqas Alam Chattha Hussnain Ahmed Janjua	
BMC Biotechnology , Volume:23, Issue:1, Article number: 20	
Impact Factor: 3.5 Quartile: 2 Citations: 9	
DOI: 10.1186/s12896-023-00784-8	
Drying process optimization of garlic slices in closed-loop heat pump drying system by Box-Behnken design	2021
Haolu Liu Khurram Yousaf Zhenwei Yu Asad Riaz Innocent Nyalala Muhammad Waqas Alam Chattha Kunjie Chen	
Journal of Food Processing and Preservation, Pages 1-9, Article Number e16190	
Impact Factor: 2.190 Quartile: 3 Citations: 5	
DOI: 10.1111/jfpp.16190	

Intellectual Property

Copyrights

Patents

Curcumin solution prep ration for copying black text on to various surfaces	2021
Status: Filed	

Manufacturing of TabCoal, long lasting charcoal combustible tablets	2021
Status: Licensed Filed	

Industrial Designs

Trademarks