

Muhammad Waqas Yaqub

Assistant Professor

US-Pakistan Center for Advanced Studies in Energy

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About

Dr. Muhammad Waqas Yaqub is working as Assistant Professor in the US-Pakistan Center for Advanced Studies in Energy. Dr. Muhammad Waqas Yaqub has a PhD in Chemical Engineering. Dr. Muhammad Waqas Yaqub has published 3 research articles & conference papers having a citation count of 56, carried out 4 projects and filed 0 intellectual property.

Qualifications

PhD in Chemical Engineering Universiti Teknologi Petronas , Malaysia	2016 - 2019
MS in Engineering Management NUST, Islamabad , Pakistan	2010 - 2012
BE in Chemical Engineering Dawood College of Engineering and Technology , Pakistan	2006 - 2010
F.Sc in Pre-Engineering FBISE, Islamabad , Pakistan	2003 - 2005
Matric (SSC) in Science BISE, Rawalpindi , Pakistan	2001 - 2003

Experience

Assistant Professor US-Pakistan Center for Advanced Studies in Energy	2024- Present
Assistant Professor US-Pakistan Center for Advanced Studies in Energy	2023 - 2023
Deputy Director Projects University Main Office (UMO)	2023 - 2023
Deputy Director Projects University Main Office (UMO)	2020 - 2019
Lab Engineer School of Chemical & Materials Engineering	2019 - 2023
Lab Engineer School of Chemical & Materials Engineering	2012 - 2020
Graduate Research Assistant University Technology PETRONAS (UTP) , Chemical Engineering Department	2016 - 2019
Chemical Engineer Dakhni Gas Processing Plant , Dakhni Gas Processing Plant, Jand, Attock	2010 - 2012

Professional Memberships

PEC	Since 2011
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Research Projects

National Projects

"NUST Proposal for HESSA ORIC Partnership University of Science and Technology (NUST)" Funding Agency: Higher Education System Strengthening Activity (HESSA) Amount: PKR 1,148,720.00 Status: Completed	2023
NUST Faculty Dashboard for Industrial & Academic View Funding Agency: NUST Amount: PKR 1,000,000.00 Status: Completed	2022
Devising Web of Science Metrics Using Scopus Database Funding Agency: NUST Amount: PKR 1,000,000.00 Status: Completed	2022

International Projects

Gender, Intersectionality and Climate Change: From Scientific Evidence to Action Funding Agency: BMZ/GLZ-Deutsche Gesellschaft für Internationale Zusammenarbeit / German Development Agency, Germany Amount: PKR 22,042,138.00 Status: Approved_inprocess	2023
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Research Articles

Thermal optimization of Li-ion battery pack using genetic algorithm integrated with machine learning, <i>Usman Ghafoor Muhammad Waqas Yaqub Muhammad Uzair Qureshi Muhammad Nouman Aslam Khan</i> <i>Thermal Science and Engineering Progress</i> , Volume 44, ID:102069, Pages:31 Impact Factor: 4.8 Quartile: 1 Citations: 11 DOI: 10.1016/j.tsep.2023.102069	2023
An integrated framework of data-driven, metaheuristic, and mechanistic modeling approach for biomass pyrolysis <i>Zahid Ullah Muzammil Khan Salman Raza Naqvi Muhammad Nouman Aslam Khan Wasif Farooq Muhammad Waqas Anjum Muhammad Waqas Yaqub</i> <i>Hamad AlMohamadi Fares Almomani</i> <i>Process Safety and Environmental Protection</i> , Volume 162, Pages 337-345 Impact Factor: 6.158 Quartile: 1 Citations: 42 DOI: https://doi.org/10.1016/j.psep.2022.04.013	2022
Experimental Investigation of Three-Phase Flow Regime Transition in a Large Diameter 90° Bend and the Resultant Pressure Drop Prediction <i>Muhammad Waqas Yaqub Rajashekhar Pendyala</i> <i>Industrial & Engineering Chemistry Research</i> , Vol:61, Pages:7090-7102 Impact Factor: 4.326 Quartile: 2 Citations: 3 DOI: 10.1021/acs.iecr.2c00098	2022