

Muhammad Zeeshan Ali Khan

Associate Professor

Institute of Environmental Sciences & Engineering

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About

Dr. Muhammad Zeeshan Ali Khan is working as Associate Professor in the Institute of Environmental Sciences & Engineering. Dr. Muhammad Zeeshan Ali Khan has a PhD in Air Pollution. Dr. Muhammad Zeeshan Ali Khan has published 51 research articles & conference papers having a citation count of 1489, carried out 2 projects and filed 1 intellectual property.

Qualifications

PhD in Air Pollution Asian Institute of Technology , Thailand	2009 - 2013
M.E in Air Pollution Asian Institute of Technology , Thailand	2007 - 2009
B.Sc (Hon) in Chemical Engineering N.W.F.P University of Engineering & Technology Peshawar , Pakistan	2000 - 2005

Experience

Associate Professor Institute of Environmental Sciences & Engineering	2020- Present
Assistant Professor Institute of Environmental Sciences & Engineering	2014 - 2020
Assistant Professor Institute of Environmental Sciences & Engineering	2014 - 2014
Associate Professor NUST , H12 Islamabad, Pakistan	2020 - 2022
Assistant Professor National University of Science and Technology (NUST), Pakistan , Iese, Scee, Nust, H-12 Campus	2014 - 2020
Apprentice Engineer Fauji fertilizers, Pakistan , Goth Machi, Sadiq Abad, Pakistan	2006 - 2007

Awards

SCEE Best researcher 2019 Best researcher Award 2019 for SCEE	2020
HEC Overseas MS leading to PhD Scholarship	2007

Research Projects

National Projects

Satellite remote sensing of total PM and selected PM components in Islamabad, Pakistan	2015
Funding Agency: COMSTECH TWAS	
Amount: PKR 1,440,000.00	
Status: Completed	
Source apportionment of ambient particulate matter in central Pakistan	2019
Funding Agency: HEC	
Amount: PKR 11,085,000.00	
Status: Completed	

International Projects

Research Articles

Solar energy resource mapping, site suitability and techno-economic feasibility analysis for utility scale photovoltaic power plants in Afghanistan	2024
Javeedullah Hamad Momina Ahmad Muhammad Zeeshan Ali Khan	
Energy Conversion and Management, Volume 303, Article Number: 118188	
Impact Factor: 10.4 Quartile: 1 Citations: 17	
DOI: 10.1016/j.enconman.2024.118188	
Energy potential assessment and geospatial site suitability analysis for crop residue-based power plants in Pakistan	2024
Salsabeel Fatima Muhammad Zeeshan Ali Khan	
Sustainable Production and Consumption, Volume:45, Page:488-508	
Impact Factor: 12.1 Quartile: 1 Citations: 3	
DOI: 10.1016/j.spc.2024.01.023	
Performance comparison of a photosynthetic and mechanically aerated microbial fuel cell for wastewater treatment and bioenergy generation using different anolytes	2023
Zia Ullah Waqas Qamar Zaman Zeshan Sheikh Muhammad Zeeshan Ali Khan Waheed Miran Jiansheng Li Muhammad Abdul Nasir Khan Shanza Shabbir	
Journal of Water Process Engineering, Volume 56, Article Number 104358	
Impact Factor: 7.0 Quartile: 1 Citations: 6	
DOI: 10.1016/j.jwpe.2023.104358	
An integrated Geographic Information System and Analytical Hierarchy process based approach for site suitability analysis of on-grid hybrid concentrated solar-biomass powerplant	2023
Huma Naeem Abbasi Muhammad Zeeshan Ali Khan	
Renewable and Sustainable Energy Reviews, Volume:187, Article Number: 113786	
Impact Factor: 15.9 Quartile: 1 Citations: 9	
DOI: 10.1016/j.rser.2023.113786	
A comparative techno-economic analysis of combined oil and power production from pyrolysis and co-pyrolysis plants utilizing rice straw and scrap rubber tires	2023
Shoaib Raza Khan Muhammad Zeeshan Ali Khan Salsabeel Fatima Daniel Ciolkosz Ioanna Dimitriou Hongyue Jin	
Fuel, Volume 348, Article Number 128639	
Impact Factor: 8.035 Quartile: 1 Citations: 18	
DOI: doi.org/10.1016/j.fuel.2023.128639	
Life cycle multi-objective (geospatial, techno-economic, and environmental) feasibility and potential assessment of utility scale photovoltaic power plants	2023
Momina Ahmad Muhammad Zeeshan Ali Khan Junaid Aziz Khan	
Energy Conversion and Management, Volume 291, Article Number 117260	
Impact Factor: 10.4 Quartile: 1 Citations: 27	
DOI: 10.1016/j.enconman.2023.117260	
Comparative analysis of indoor air quality in offices with different ventilation mechanisms and simulation of ventilation process utilizing system dynamics tool	2023
Ayesha Asif Muhammad Zeeshan Ali Khan	
Journal of Building Engineering, Volume 72, Article Number 106687	
Impact Factor: 7.144 Quartile: 1 Citations: 14	
DOI: https://doi.org/10.1016/j.jobe.2023.106687	

<p>Synthesis and two-step KOH based activation of porous biochar of wheat straw and waste tire for adsorptive exclusion of chromium (VI) from aqueous solution; thermodynamic and regeneration study</p> <p><i>Usama Jamil Muhammad Zeeshan Ali Khan Shoaib Raza Khan Sara Saeed</i></p> <p><i>Journal of Water Process Engineering</i>, Volume 53, Article Number 103892</p> <p>Impact Factor: 7.0 Quartile: 1 Citations: 22</p> <p>DOI: 10.1016/j.jwpe.2023.103892</p>	2023
<p>Simplistic Comparative Analytical Methodology for Accuracy Determination of In-Cylinder Convective Heat Transfer Coefficient Models of Diesel Engine Operating with Water Injection using Experimental Pressure Signals</p> <p><i>Asad Asghar Janjua Sami Ur Rahman Shah Emad Ud Din Jawad Aslam Muhammad Zeeshan Ali Khan Xavier Tauzia</i></p> <p><i>Arabian Journal for Science and Engineering</i>, Pages 1-14</p> <p>Impact Factor: 2.807 Quartile: 2 Citations: 2</p> <p>DOI: https://doi.org/10.1007/s13369-023-07627-w</p>	2023
<p>Multi-objective optimization of concentrated solar power plants from an energy-water-environment nexus perspective under distinct climatic conditions – Part B: Environ-economic analysis</p> <p><i>Momina Ahmad Muhammad Zeeshan Ali Khan</i></p> <p><i>Journal of Cleaner Production</i>, Volume 385, Article Number 135689</p> <p>Impact Factor: 11.072 Quartile: 1 Citations: 28</p> <p>DOI: https://doi.org/10.1016/j.jclepro.2022.135689</p>	2023
<p>Investigating the gender differences in indoor thermal comfort perception for summer and winter seasons and comparison of comfort temperature prediction methods</p> <p><i>Ayesha Asif Muhammad Zeeshan Ali Khan Shoaib Raza Khan Nabia Farrukh Sohail</i></p> <p><i>Journal of Thermal Biology</i>, Volume 110, Article Number 103357</p> <p>Impact Factor: 3.189 Quartile: 1 Citations: 29</p> <p>DOI: doi.org/10.1016/j.jtherbio.2022.103357</p>	2022
<p>Application of low-cost natural zeolite catalyst to enhance monoaromatics yield in co-pyrolysis of wheat straw and waste tire</p> <p><i>Absar Ahamed Shoaib Raza Khan Muhammad Zeeshan Ali Khan</i></p> <p><i>Journal of the Energy Institute</i>, Volume 105, Pages 367-375</p> <p>Impact Factor: 6.470 Quartile: 2 Citations: 8</p> <p>DOI: https://doi.org/10.1016/j.joei.2022.10.014</p>	2022
<p>Multi-objective optimization of concentrated solar power plants from an energy-water-environment nexus perspective under distinct climatic conditions – Part A: Techno-economic analysis</p> <p><i>Momina Ahmad Muhammad Zeeshan Ali Khan</i></p> <p><i>Journal of Cleaner Production</i>, Volume 375, Article Number 134099</p> <p>Impact Factor: 11.1 Quartile: 1 Citations: 18</p> <p>DOI: doi.org/10.1016/j.jclepro.2022.134099</p>	2022
<p>A techno-economic study to evaluate the impacts of feedstock ratio on commercial scale co-pyrolysis plants of biomass and waste tire</p> <p><i>Shoaib Raza Khan Muhammad Zeeshan Ali Khan Daniel Ciolkosz Juliana Vasco-Correa</i></p> <p><i>Journal of Analytical and Applied Pyrolysis</i>, Volume 17, Article Number 105699</p> <p>Impact Factor: 6.437 Quartile: 1 Citations: 20</p> <p>DOI: doi.org/10.1016/j.jaap.2022.105699</p>	2022
<p>Observed and predicted precipitation variability across Pakistan with special focus on winter and pre-monsoon precipitation</p> <p><i>Fasiha Safdar Muhammad Fahim Khokhar Fatimah Mehmood Muhammad Zeeshan Ali Khan Muhammad Arshad</i></p> <p><i>Environmental Science and Pollution Research</i>, Pages 1-21</p> <p>Impact Factor: 5.8 Quartile: 1 Citations: 16</p> <p>DOI: https://doi.org/10.1007/s11356-022-22502-1</p>	2022
<p>Operation of microalgal horizontal twin layer system for treatment of real wastewater and production of lipids</p> <p><i>Sahar Saleem Zeshan Rashid Iftikhar Muhammad Arshad Muhammad Zeeshan Ali Khan Muhammad Hassan</i></p> <p><i>Journal of Water Process Engineering</i>, Volume 48, Article Number 102932</p> <p>Impact Factor: 7.340 Quartile: 1 Citations: 5</p> <p>DOI: 10.1016/j.jwpe.2022.102932</p>	2022
<p>Impact of policy changes on financial viability of wind power plants in Pakistan</p>	2022

Rabab Rabbani Muhammad Zeeshan Ali Khan
Renewable Energy , Volume 193, Pages 789-806
Impact Factor: 8.001 | **Quartile:** 1 | **Citations:** 11
DOI: 10.1016/j.renene.2022.05.049

Retrieval of NO2 Columns by Exploiting MAX-DOAS Observations and Comparison with OMI and TROPOMI Data during the Time Period of 2015– 2019 2022

Ahmad Iqbal Naveed Ahmad Hassan Mohy ud Din Michel Van Roozendaal Muhammad Shehzaib Anjum Muhammad Zeeshan Ali Khan Muhammad Fahim Khokhar
Aerosol and Air Quality Research , Volume 22, Issue 6, Article Number 210398
Impact Factor: 4.530 | **Quartile:** 2 | **Citations:** 14
DOI: <https://doi.org/10.4209/aaqr.210398>

Validation of weather reanalysis datasets and geospatial and techno-economic viability and potential assessment of concentrated solar power plants 2022

Momina Ahmad Muhammad Zeeshan Ali Khan
Energy Conversion and Management , Volume 256, Article Number 115366
Impact Factor: 10.4 | **Quartile:** 1 | **Citations:** 18
DOI: <https://doi.org/10.1016/j.enconman.2022.115366>

Microbiological indoor air quality of hospital buildings with different ventilation systems, cleaning frequencies and occupancy levels 2022

Ahmad Hassan Muhammad Zeeshan Ali Khan
Atmospheric Pollution Research , Volume 13, Issue 4, Article Number 101382
Impact Factor: 4.352 | **Quartile:** 2 | **Citations:** 18
DOI: 10.1016/j.apr.2022.101382

Effect of low levels of oxytetracycline on anaerobic digestion of cattle manure 2022

Moniba Mushtaq Zeshan Muhammad Zeeshan Ali Khan Ismat Nawaz Muneeb Hassan
Bioresource Technology , Volume 349, Article Number 126894
Impact Factor: 11.4 | **Quartile:** 1 | **Citations:** 17
DOI: 10.1016/j.biortech.2022.126894

Catalytic potential of low-cost natural zeolite and influence of various pretreatments of biomass on pyro-oil up-gradation during co-pyrolysis with scrap rubber tires 2022

Shoaib Raza Khan Muhammad Zeeshan Ali Khan
Energy , Volume 238, Part B, Article Number 121820
Impact Factor: 8.9 | **Quartile:** 1 | **Citations:** 25
DOI: doi.org/10.1016/j.energy.2021.121820

The influence of dual-catalyst bed system of zeolitic and metal oxide catalysts on the production of valuable hydrocarbons during co-pyrolysis of rice straw and waste tire 2021

Shoaib Raza Khan Ahsan Masood Muhammad Zeeshan Ali Khan Sara Qaisar
Biomass Conversion and Biorefinery , Pages 1-12
Impact Factor: 4.987 | **Quartile:** 1 | **Citations:** 12
DOI: 10.1007/s13399-021-02052-1

Comparison of synthetic and low-cost natural zeolite for bio-oil focused pyrolysis of raw and pretreated biomass 2021

Shoaib Raza Khan Muhammad Zeeshan Ali Khan Absar Ahmed Sara Saeed
Journal of Cleaner Production , Volume 313, Article Number 127760
Impact Factor: 11.072 | **Quartile:** 1 | **Citations:** 21
DOI: doi.org/10.1016/j.jclepro.2021.127760

Indoor and outdoor microbiological air quality in naturally and mechanically ventilated university libraries 2021

Ahmad Hassan Muhammad Zeeshan Ali Khan Muhammad Faraz Bhatti
Atmospheric Pollution Research , Volume 12, Issue 8, Article Number 101136
Impact Factor: 4.352 | **Quartile:** 2 | **Citations:** 33
DOI: <https://doi.org/10.1016/j.apr.2021.101136>

Promoted three-way catalytic activity of the Co3O4/TiO2 catalyst by doping of CeO2 under real engine operating conditions 2021

Muhammad Zeeshan Ali Khan Mika Sillanpaa Bilal Asif Sidra Iftekhar
Atmospheric Pollution Research , Volume 12, Issue 7, Article Number 101088

Impact Factor: 4.831 Quartile: 2 Citations: 6 DOI: doi.org/10.1016/j.apr.2021.101088	
A comprehensive study on upgradation of pyrolysis products through co-feeding of waste tire into rice straw under broad range of co-feed ratios in a bench-scale fixed bed reactor <i>Shoaib Raza Khan Muhammad Faheem Khokhar Zeshan Muhammad Zeeshan Iftikhar Ahmad</i> <i>Biomass Conversion and Biorefinery</i> , Pages 1-15 Impact Factor: 4.987 Quartile: 1 Citations: 18 DOI: doi.org/10.1007/s13399-021-01434-9	2021
Trends of Aerosol Optical Thickness Using VIIRS S-NPP During Fog Episodes in Pakistan and India <i>Muhammad Umar Salman Atif Mark L. Hildebrandt Ali Tahir Muhammad Azmat Muhammad Zeeshan Ali Khan</i> <i>Atmosphere</i> , Volume 12(2), Article Number 242 Impact Factor: 3.110 Quartile: 3 Citations: 2 DOI: https://doi.org/10.3390/atmos12020242	2021
Effect of structural promoters on calcium based sorbents from waste derived sources <i>Azra Nawar Majid Ali Mariam Mahmood Mustafa Anwar Muhammad Zeeshan Ali Khan</i> <i>Materials Today Communications</i> , Volume 24, Article No. 101075 Impact Factor: 3.383 Quartile: 2 Citations: 12 DOI: 10.1016/j.mtcomm.2020.101075	2020
Indoor temperature, relative humidity and CO2 monitoring and air exchange rates simulation utilizing system dynamics tools for naturally ventilated classrooms <i>Ayesha Asif Muhammad Zeeshan Ali Khan</i> <i>Building and Environment</i> , Volume 180, Article Number 106980 Impact Factor: 6.456 Quartile: 1 Citations: 43 DOI: https://doi.org/10.1016/j.buildenv.2020.106980	2020
Exploring the suitability of MERRA-2 reanalysis data for wind energy estimation, analysis of wind characteristics and energy potential assessment for selected sites in Pakistan <i>Muhammad Zeeshan Ali Khan R. Rabbani</i> <i>Renewable Energy</i> , Volume 154, Article Number 1240e1251 Impact Factor: 8.001 Quartile: 1 Citations: 46 DOI: https://doi.org/10.1016/j.renene.2020.03.100	2020
Thermal Comfort and Ventilation Conditions in Healthcare Facilities - Part 1: An Assessment of Indoor Environmental Quality (IEQ) <i>Mawara Khan Muhammad Jamaluddin Thaheem Musfira Khan Ahsen Maqsoom Muhammad Zeeshan Ali Khan</i> <i>Environmental Engineering and Management Journal</i> , Volume 19, No. 6, Pages 917-933 Impact Factor: 0.916 Quartile: 4 DOI: http://www.eemj.icpm.tuiasi.ro/pdfs/vol19/no6/2_289_Khan_19.pdf	2020
Enhancement of hydrocarbons production through co-pyrolysis of acid-treated biomass and waste tire in a fixed bed reactor <i>Shoaib Raza Khan Muhammad Zeeshan Ali Khan Ahsan Masood</i> <i>Waste Management</i> , Volume 106, Pages 21-31 Impact Factor: 7.145 Quartile: 1 Citations: 61 DOI: https://doi.org/10.1016/j.wasman.2020.03.010	2020
Investigating use of metal-modified HZSM-5 catalyst to upgrade liquid yield in co-pyrolysis of wheat straw and polystyrene <i>Madiha Razzaq Muhammad Zeeshan Ali Khan Sara Qaisar Hera Iftikhar Bushra Muneer</i> <i>Fuel</i> , Volume 257, Article Number 116119 Impact Factor: 5.578 Quartile: 1 Citations: 100 DOI: 10.1016/j.fuel.2019.116119	2019
Influence of in-situ and ex-situ HZSM-5 catalyst on co-pyrolysis of corn stalk and polystyrene with a focus on liquid yield and quality <i>Bushra Muneer Sara Qaisar Madiha Razzaq Hera Iftikhar Muhammad Zeeshan Ali Khan</i> <i>Journal of Cleaner Production</i> , Volume 237, Article Number UNSP 117762 Impact Factor: 7.246 Quartile: 1 Citations: 98 DOI: 10.1016/j.jclepro.2019.117762	2019

A system dynamics - based economic performance simulation of construction waste reduction management: effective application of prefabrication <i>Ahsen Maqsoom Asad Ali Qureshi Hashmi Muhammad Zeeshan Ali Khan Qumail Arshad Adnan Nawaz Badar ul Ali Zeeshan Hammad Salahuddin</i> <i>Environmental Engineering and Management Journal</i> , Volume 18, No. 11, Pages 2363-2376 Impact Factor: 0 DOI: http://www.eemj.icpm.tuiasi.ro/pdfs/vol18/no11/6_16_Maqsoom_19.pdf	2019
Co-pyrolysis of sugarcane bagasse and polystyrene with ex-situ catalytic bed of metal oxides/HZSM-5 with focus on liquid yield <i>Hera Iftikhar Saeed Iqbal Bushra Muneer Madiha Razzaq Muhammad Zeeshan Ali Khan</i> <i>Bioresource Technology</i> , Volume: 289 Article Number: 121647 Impact Factor: 7.539 Quartile: 1 Citations: 72 DOI: 10.1016/j.biortech.2019.121647	2019
Crop residue open field burning in Pakistan; multi-year high spatial resolution emission inventory for 2000-2014 <i>Ramisha Azhar Khunsa Fatima Muhammad Zeeshan Ali Khan</i> <i>Atmospheric Environment</i> , Volume 208, Pages 20-33 Impact Factor: 4.039 Quartile: 1 Citations: 44 DOI: 10.1016/j.atmosenv.2019.03.031	2019
Metal tolerant bacteria enhanced phytoextraction of lead by two accumulator ornamental species <i>Maria Manzoor Iram Gul Iftikhar Ahmed Muhammad Zeeshan Ali Khan Imran Hashmi Bilal Ahmad Zafar Amin Jean Kallerhoff Muhammad Arshad</i> <i>Chemosphere</i> , Volume 227, Page 561-569 Impact Factor: 5.778 Quartile: 1 Citations: 52 DOI: 10.1016/j.chemosphere.2019.04.093	2019
Assessment of indoor and outdoor microbial air quality of cafeterias of an educational institute <i>Ayesha Asif Muhammad Zeeshan Ali Khan Muhammad Jahanzaib</i> <i>Atmospheric Pollution Research</i> , Volume 10, Issue 2, Pages 531-536 Impact Factor: 3.527 Quartile: 2 Citations: 16 DOI: 10.1016/j.apr.2018.09.012	2019
Co-pyrolysis of cotton stalk and waste tire with a focus on liquid yield quantity and quality <i>Syed Asfand Yar Shah Muhammad Zeeshan Ali Khan Muhammad Zohaib Farooq Naveed Ahmed Naseem Iqbal</i> <i>Renewable Energy</i> , Volume 130, Pages 238-244 Impact Factor: 6.274 Quartile: 1 Citations: 89 DOI: https://doi.org/10.1016/j.renene.2018.06.045	2019
Investigation on bio-oil yield and quality with scrap tire addition in sugarcane bagasse pyrolysis <i>Naveed Ahmed Muhammad Zeeshan Ali Khan Naseem Iqbal Muhammad Zohaib Farooq Syed Asfand Shah</i> <i>Journal of Cleaner Production</i> , Volume 196, Pages 927-934 Impact Factor: 6.395 Quartile: 1 Citations: 98 DOI: https://doi.org/10.1016/j.jclepro.2018.06.142	2018
Thermal management of newly developed non-noble metal-based catalytic converter to reduce cold start emissions of small internal combustion engine <i>Shoaib Raza Khan Muhammad Zeeshan Ali Khan Saeed Iqbal</i> <i>Chemical Engineering Communications</i> , Volume: 205, Issue: 5, Pages: 680-688 Impact Factor: 1.431 Quartile: 3 Citations: 14 DOI: 10.1080/00986445.2017.1412311	2018
Microbial quality assessment of indoor air in a large hospital building during winter and spring seasons <i>Ayesha Asif Muhammad Zeeshan Ali Khan Imran Hashmi Uzma Zahid Muhammad Faraz Bhatti</i> <i>Building and Environment</i> , NULL Impact Factor: 4.820 Quartile: 1 Citations: 53 DOI: 10.1016/j.buildenv.2018.03.010	2018
Indoor temperature, relative humidity and CO2 levels assessment in academic buildings with different heating, ventilation and air-conditioning systems <i>Ayesha Asif Muhammad Zeeshan Ali Khan Muhammad Jahanzaib</i> <i>Building and Environment</i> , Volume 133, Pages 83-90 Impact Factor: 4.820 Quartile: 1 Citations: 92 DOI: 10.1016/j.buildenv.2018.01.042	2018

Influence of waste tire addition on wheat straw pyrolysis yield and oil quality <i>Muhammad Zohaib Farooq Muhammad Zeeshan Ali Khan Saeed Iqbal Naveed Ahmed Syed Asfand Yar Shah</i> <i>Energy</i> , Volume 144, Pages 200-206 Impact Factor: 5.537 Quartile: 1 Citations: 73 DOI: 10.1016/j.energy.2017.12.026	2018
Effect of synthesis route on catalytic properties and performance of Co3O4/TiO2 for carbon monoxide and hydrocarbon oxidation under real engine operating conditions <i>Waleed Ahmad Tayyaba Noor Muhammad Zeeshan Ali Khan</i> <i>Catalysis Communications</i> , Volume: 89, Pages: 19-24 Impact Factor: 3.463 Quartile: 2 Citations: 38 DOI: 10.1016/j.catcom.2016.10.012	2017
Estimation of light duty vehicle emissions in Islamabad and climate co-benefits of improved emission standards implementation <i>Izhar Hussain Shah Muhammad Zeeshan Ali Khan</i> <i>Atmospheric Environment</i> , Volume 127, Pages 236-243 Impact Factor: 3.629 Quartile: 1 Citations: 23 DOI: 10.1016/j.atmosenv.2015.12.012	2016
Relationship of MISR component AODs with black carbon and other ground monitored particulate matter composition <i>Muhammad Zeeshan Ali Khan Nguyen Thi Kim Oanh</i> <i>Atmospheric Pollution Research</i> , Volume 6, Issue 1, Pages 62-69 Impact Factor: 1.401 Quartile: 3 Citations: 9 DOI: 10.5094/APR.2015.008	2015
Assessment of the relationship between satellite AOD and ground PM10 measurement data considering synoptic meteorological patterns and Lidar data <i>N.T. Kim Oanh Muhammad Zeeshan Ali Khan</i> <i>Science of the Total Environment</i> , Volume 473, Pages 609-618 Impact Factor: 4.099 Quartile: 1 Citations: 19 DOI: 10.1016/j.scitotenv.2013.12.058	2014

Conference Proceedings

Efficient mapping of flood hazards, using drones and aerial imaging techniques: State of the art and shortcomings <i>Muhammad Farhan Nazir Salman Atif Muhammad Zeeshan Ejaz Hussain</i> <i>3rd Flagship International Conference on Water, Energy, and Environment for Sustainability (IC-WEES 2023)</i> res.country(177,) Citations: N/A DOI: 10.3389/978-2-8325-1237-1	2023
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Editorial Activities

Renewable Energy Reviewed Papers for Journals Impact Factor: 8.7	2023
Energy Reviewed Papers for Journals Impact Factor: 9	2023
Energy Conversion and Management Reviewed Papers for Journals Impact Factor: 10.4	2023
Journal of Analytical and Applied Pyrolysis Reviewed Papers for Journals Impact Factor: 6.437	2023
Journal of Building Engineering Reviewed Papers for Journals Impact Factor: 7.144	2023
Journal of Analytical and Applied Pyrolysis	2023

Reviewed Papers for Journals	
Impact Factor: 6.437	
Journal of Cleaner Production	2023
Reviewed Papers for Journals	
Impact Factor: 11.072	
Energy	2023
Reviewed Papers for Journals	
Impact Factor: 8.857	
Polityka Energetyczna	2022
Reviewed Papers for Journals	
Impact Factor: 1.82	
Journal of Cleaner Production	2022
Reviewed Papers for Journals	
Impact Factor: 11.072	
Journal of Cleaner Production	2022
Reviewed Papers for Journals	
Impact Factor: 11.072	
Energy	2022
Reviewed Papers for Journals	
Impact Factor: 8.857	
	2022
Reviewed Papers for Journals	
Impact Factor: 5.541	
	2022
Reviewed Papers for Journals	
Impact Factor: 4.987	
	2021
Reviewed Papers for Journals	
Impact Factor: 4.987	
	2021
Reviewed Papers for Journals	
Impact Factor: 7.147	
	2021
Reviewed Papers for Journals	
Impact Factor: 5.263	
	2021
Reviewed Papers for Journals	
Impact Factor: 5.389	
	2021
Reviewed Papers for Journals	
Impact Factor: 4.987	
	2021
Reviewed Papers for Journals	
Impact Factor: 1.962	
	2021
Reviewed Papers for Journals	
Impact Factor: 3.447	
	2021
Reviewed Papers for Journals	
Impact Factor: 4.987	
	2021
Reviewed Papers for Journals	
Impact Factor: 4.987	

Reviewed Papers for Journals

Impact Factor: 4.012

Intellectual Property

Copyrights

Patents

A Solar (Thermal) – Electric Hybrid Space Heating System

2019

Status: Filed

Industrial Designs

Trademarks

Trainings

Three Day Master Class in Residence on Regional Approaches to Air Quality and the Environment (Phase-2) in Collaboration of PDC-NUST

2021

Partner: USEFP and PUAN

Duration: 15-Jun-2021 to 18-Mar-2022

Three Day Master Class in Residence on Regional Approaches to Air Quality and the Environment (Phase-1)

2021

Partner: USEFP and PUAN

Duration: 10-Feb-2021 to 09-Jul-2021