

# Muhammad Yousif

Assistant Professor

US-Pakistan Center for Advanced Studies in Energy

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## About

Dr. Muhammad Yousif is working as Assistant Professor in the US-Pakistan Center for Advanced Studies in Energy. Dr. Muhammad Yousif has a PhD in Power Systems. Dr. Muhammad Yousif has published 51 research articles & conference papers having a citation count of 690, carried out 5 projects and filed 0 intellectual property.

## Qualifications

<b>PhD in Power Systems</b> Shanghai Jiaotong University , China	2015 - 2019
<b>MS in Electrical And Electronics Engineering</b> Xi'an Jiaotong University , China	2012 - 2014
<b>BS in Information &amp; Communication System Engineering</b> NUST, Islamabad , Pakistan	2008 - 2012
<b>F.Sc in Math</b> BISE, DG Khan , Pakistan	2005 - 2008
<b>Matric (SSC) in Science</b> BISE, DG Khan , Pakistan	2003 - 2005

## Experience

<b>Assistant Professor</b> US-Pakistan Center for Advanced Studies in Energy	2023- Present
<b>Assistant Professor</b> US-Pakistan Center for Advanced Studies in Energy	2020 - 2020
<b>Assistant Professor</b> US-Pakistan Center for Advanced Studies in Energy	2019 - 2019
<b>Assistant Professor</b> Centre for Energy System	2019 - 2020

## Awards

<b>SEIEE – Belt and Road Ide</b> Won a prize in a competition named SEIEE – Belt and Road Ideas Competition 2017.	2017
<b>Represent SJTU in Sino-EU</b> The honor to represent SJTU in Sino-EU Engineering Education Platform (SEEEP) 2017	2017

## Professional Memberships

<b>PEC</b>	Since 2014
<b>IEEE</b>	Since 2018

Research Projects

National Projects

<b>Socio-Economic Assessment and Low Carbon Expansion planning model for Energy Projects under CPEC</b> Funding Agency: HEC Amount: PKR 9,057,528.00 Status: Approved_inprocess	2024
<b>Development of Campus Grid Monitoring System</b> Funding Agency: NUST Amount: PKR 1,000,000.00 Status: Approved_inprocess	2023
<b>Creating Climate Resilience through Energy Transition: Fostering Innovation and Awareness in Pakistan</b> Funding Agency: Tara Climate Ltd Amount: PKR 18,900,120.00 Status: Approved_inprocess	2023
<b>To combat climate calamity by promoting energy transition In Pakistan through Knowledge creation, networking, and advocacy for enabling society.</b> Funding Agency: Tara Climate Ltd Amount: PKR 11,312,840.00 Status: Completed	2022
<b>Design, Sizing and Economic Feasibility of a Hybrid PV &amp; Wind Based Water Pumping System for Farmland</b> Funding Agency: Hashoo Foundation Amount: PKR 75,000.00 Status: Completed	2019

International Projects

Research Articles

<b>Optimal distributed energy resources accommodation with techno-economic benefits using cheetah optimizer</b> <i>Muhammad Shaarif Muhammad Yousif Muhammad Numan Muhammad Zubair Iftikhar Izhar us Salam Thamer A. H. Alghamdi</i> <i>IET Generation, Transmission &amp; Distribution</i> , Volume19, Issue 1, Article Number e13322 Impact Factor: 2.000   Quartile: 3   Citations: 1 DOI: <a href="http://dx.doi.org/10.1049/gtd2.13322">http://dx.doi.org/10.1049/gtd2.13322</a>	2025
<b>Socio-Economic Analysis for Adoption of Smart Metering System in SAARC Region: Current Challenges and Future Perspectives</b> <i>Muhammad Hassan Syyed Ahmad Ali Shah Mustafa Anwar Muhammad Yousif Abdul Haseeb Tariq Syed Ali Abbas Kazmi Zain Khalid</i> <i>Sustainability</i> , Volume 17(15), Article Number 6786 Impact Factor: 3.300   Quartile: 2 DOI: <a href="https://doi.org/10.3390/su17156786">https://doi.org/10.3390/su17156786</a>	2025
<b>Investigation of Insulation Characteristics of UV-A Stressed Polyamide Composite Insulation for High Voltage Cable Application</b> <i>Amna Nisar Muhammad Yousif Numan Ahmed ABRAIZ KHATTAK</i> <i>Arabian Journal for Science and Engineering</i> , Pages:11 Impact Factor: 2.6   Quartile: 2 DOI: <a href="https://doi.org/10.1007/s13369-024-09830-9">https://doi.org/10.1007/s13369-024-09830-9</a>	2024
<b>PSO-based optimal placement of electric vehicle charging stations in a distribution network in smart grid environment incorporating backward forward sweep method</b> <i>Mishal Altaf Muhammad Yousif Haris Ijaz Mahnoor Rashid Nasir Abbas Muhammad Adnan Khan Muhammad Waseem Ahmed Mohammed Saleh</i> <i>IET Renewable Power Generation</i> , Volume18, Issue15, Pages 3173-3187 Impact Factor: 2.600   Quartile: 2   Citations: 14 DOI: <a href="https://doi.org/10.1049/rpg2.12916">10.1049/rpg2.12916</a>	2024
<b>Enhancing sustainability in electric mobility: Exploring blockchain applications for secure EV charging and energy management</b>	2024

<p><i>Muhammad Tayyab Rana Muhammad Numan Muhammad Yousif Tanveer Hussain Akif Zia Khan Xianxian Zhao</i>  <i>Computers &amp; Electrical Engineering</i> , Volume 119, Part A, Article Number 109503</p> <p><b>Impact Factor:</b> 4.000   <b>Quartile:</b> 1   <b>Citations:</b> 11  <b>DOI:</b> <a href="https://doi.org/10.1016/j.compeleceng.2024.109503">https://doi.org/10.1016/j.compeleceng.2024.109503</a></p>		
<p><b>Evaluation of techno-economic design and implementation of solar-wind hybrid microgridssystem for a small community</b></p> <p><i>Ahmed Shabbir Moomin Muhammad Yousif Hassan Abdullah Khalid Syed Ali Abbas Kazmi Thamer A.H. Alghamdi</i>  <i>Heliyon</i> , Volume 10, Issue 17, Article Number e35985</p> <p><b>Impact Factor:</b> 3.400   <b>Quartile:</b> 1   <b>Citations:</b> 2  <b>DOI:</b> <a href="https://doi.org/10.1016/j.heliyon.2024.e35985">https://doi.org/10.1016/j.heliyon.2024.e35985</a></p>		2024
<p><b>Techno-economic and performance assessment of a hybrid fuel cell-based combined heat and power system for dairy industry</b></p> <p><i>Kashif Najeeb Abdul Haseeb Tariq Muhammad Hassan Mustafa Anwar Ali Bahadar Syed Ali Abbas Kazmi Muhammad Yousif</i>  <i>Environment Development and Sustainability</i> , Pages 1-29</p> <p><b>Impact Factor:</b> 4.700   <b>Quartile:</b> 2   <b>Citations:</b> 3  <b>DOI:</b> <a href="https://doi.org/10.1007/s10668-024-05044-z">https://doi.org/10.1007/s10668-024-05044-z</a></p>		2024
<p><b>Techno-economic and environmental analysis of renewable energy integration in irrigation systems: A comparative study of standalone and grid-connected PV/diesel generator systems in Khyber Pakhtunkhwa</b></p> <p><i>Sheharyar Khattak Muhammad Yousif Shabieh Ul Hassan Muhammad Hassan Thamer A.H. Alghamdi</i>  <i>Heliyon</i> , Volume 10, Issue 10, Article Number e31025</p> <p><b>Impact Factor:</b> 3.400   <b>Quartile:</b> 1   <b>Citations:</b> 18  <b>DOI:</b> <a href="https://doi.org/10.1016/j.heliyon.2024.e31025">https://doi.org/10.1016/j.heliyon.2024.e31025</a></p>		2024
<p><b>Current and future implications of bitcoin mining on energy and climate change</b></p> <p><i>Muhammad Yousaf Bukhari Dr Abeera Ayaz Ansari Dr Muhammad Yousif Dr Muhammad Hassan Usama Hassan</i>  <i>MRS Energy and Sustainability</i> , Pages: 14</p> <p><b>Impact Factor:</b> 3.300   <b>Quartile:</b> 3   <b>Citations:</b> 5  <b>DOI:</b> <a href="https://doi.org/10.1557/s43581-024-00084-4">10.1557/s43581-024-00084-4</a></p>		2024
<p><b>Monitoring Transient Stability in Electric Power Systems Using a Hybrid Model of Convolutional Neural Network and Random Forest</b></p> <p><i>Hafsa Ahmad Muhammad Yousif Maliha Shah Najeeb Ullah</i>  <i>Electric Power Components and Systems</i> , Volume: 52, Issue: 6, Pages: 946-958</p> <p><b>Impact Factor:</b> 1.7   <b>Quartile:</b> 3   <b>Citations:</b> 1  <b>DOI:</b> <a href="https://doi.org/10.1080/15325008.2023.2237034">https://doi.org/10.1080/15325008.2023.2237034</a></p>		2024
<p><b>Design islanded hybrid micro-grid and analyzing its socio-economic technical and environmental aspects for off-grid electrification in developing countries</b></p> <p><i>Saleem Ullah Muhammad Yousif Muhammad Zeeshan Abid Muhammad Numan Mubashar Aslam Kataria</i>  <i>Energy and Environment</i> , Pages 1-29</p> <p><b>Impact Factor:</b> 3.154   <b>Quartile:</b> 3   <b>Citations:</b> 6  <b>DOI:</b> <a href="https://doi.org/10.1177/0958305X221133256">https://doi.org/10.1177/0958305X221133256</a></p>		2024
<p><b>Decentralized Smart Energy Management in Hybrid Microgrids: Evaluating Operational Modes, Resources Optimization, and Environmental Impacts</b></p> <p><i>Moatasim Billah Muhammad Yousif Muhammad Numan Izhar Us Salam SYED ALI ABBAS KAZMI THAMER A. H. ALGHAMDI</i>  <i>IEEE Access</i> , Volume:11, Page:143530-143548</p> <p><b>Impact Factor:</b> 3.9   <b>Quartile:</b> 2   <b>Citations:</b> 10  <b>DOI:</b> <a href="https://doi.org/10.1109/ACCESS.2023.3343466">10.1109/ACCESS.2023.3343466</a></p>		2023
<p><b>Effect of Dust Accumulation on the Performance of Photovoltaic Modules for Different Climate Regions</b></p> <p><i>Mahnoor Rashid Muhammad Yousif Zeeshan Rashid Aoun Muhammad Mishal Altaf Adil Mustafa</i>  <i>Heliyon</i> , Volume 9, Issue 12, Article Number e23069</p> <p><b>Impact Factor:</b> 4.0   <b>Quartile:</b> 2   <b>Citations:</b> 28  <b>DOI:</b> <a href="https://doi.org/10.1016/j.heliyon.2023.e23069">https://doi.org/10.1016/j.heliyon.2023.e23069</a></p>		2023
<p><b>A decision-centric approach for techno-economic optimization and environmental assessment of standalone and grid-integrated renewable-powered electric vehicle charging stations under multiple planning horizons</b></p> <p><i>Shabieh Ul Hassan Muhammad Yousif Shahid Nawaz Khan Syed Ali Abbas Kazmi Kashif Imran</i>  <i>Energy Conversion and Management</i> , Volume 294, Article Number 117571</p>		2023

<b>Impact Factor:</b> 10.4   <b>Quartile:</b> 1   <b>Citations:</b> 26 <b>DOI:</b> 10.1016/j.enconman.2023.117571	
<b>Optimizing Distributed Generation Placement and Sizing in Distribution Systems: A Multi-Objective Analysis of Power Losses, Reliability, and Operational Constraints</b> <i>Izhar Us Salam Muhammad Yousif Muhammad Numan Kamran Zeb Moatasim Billah</i> <i>Energies</i> , Volume 16, Issue 16, Article Number 5907 <b>Impact Factor:</b> 3.2   <b>Quartile:</b> 3   <b>Citations:</b> 24 <b>DOI:</b> 10.3390/en16165907	2023
<b>Site suitability for solar and wind energy in developing countries using combination of GIS- AHP; a case study of Pakistan</b> <i>Muhammad Ali Raza Muhammad Yousif Muhammad Hassan Muhammad Numan Syed Ali Abbas Kazmi</i> <i>Renewable Energy</i> , Volume 206, Pages 180-191 <b>Impact Factor:</b> 8.634   <b>Quartile:</b> 1   <b>Citations:</b> 66 <b>DOI:</b> <a href="https://doi.org/10.1016/j.renene.2023.02.010">https://doi.org/10.1016/j.renene.2023.02.010</a>	2023
<b>Techno-economic analysis of PV systems installed by using innovative strategies for smart sustainable agriculture farms</b> <i>Yahya Aziz Abdul Kashif Janjua Muhammad Hassan Mustafa Anwar Saira Kamwal Muhammad Yousif</i> <i>Environment, Development and Sustainability</i> , Pages 1-22 <b>Impact Factor:</b> 4.080   <b>Quartile:</b> 2   <b>Citations:</b> 15 <b>DOI:</b> <a href="https://doi.org/10.1007/s10668-023-02919-5">https://doi.org/10.1007/s10668-023-02919-5</a>	2023
<b>Microgrid Protection Using Magneto-Resistive Sensors and Superimposed Reactive Energy</b> <i>Musfira Mehmood Syed Basit Ali Bukhari Abdullah Altamimi Zafar A. Khan Syed Ali Abbas Kazmi Muhammad Yousif Dong Ryeol Shin</i> <i>Sustainability</i> , Volume 15(1), Article Number 599 <b>Impact Factor:</b> 3.889   <b>Quartile:</b> 2 <b>DOI:</b> <a href="https://doi.org/10.3390/su15010599">https://doi.org/10.3390/su15010599</a>	2022
<b>High Impedance Faults Detection and Classification in Renewable Energy-Based Distribution Networks Using Time-Varying Kalman Filtering Technique</b> <i>Kashif Imran Muhammad Yousif Faisal Mumtaz Muhammad Asif Haseeb Hassan Khan Shahrukh Abbas Muhammad Usman Haider Asad Ullah</i> <i>Engineering Proceedings</i> , Volume 20(1), Article Number 34 <b>Impact Factor:</b> N/A   <b>Citations:</b> 10 <b>DOI:</b> <a href="https://doi.org/10.3390/engproc2022020034">https://doi.org/10.3390/engproc2022020034</a>	2022
<b>Comparison of Newton Raphson and Gauss Seidal Methods for Load Flow Analysis</b> <i>Muhammad Yousif Muhammad Yasin Mohsin Muhammad Abdul Manan Khan Sohaib Tahir Chaudhary Ghulam Farid Waqar Tahir</i> <i>International Journal of Electrical Engineering and Emerging Technology</i> , Volume 5(1), Pages 01-07 <b>Impact Factor:</b> N/A <b>DOI:</b> <a href="http://ijeeet.com/index.php/ijeeet/article/view/104">http://ijeeet.com/index.php/ijeeet/article/view/104</a>	2022
<b>Challenges and Applications of Graph Signal Processing</b> <i>Muhammad Yousif Muhammad Yasin Mohsin Sohaib Tahir Chaudhary Muhammad Hassan Muhammad Abdul Manan Khan Waqas Ahmad Wattoo</i> <i>International Journal of Electrical Engineering &amp; Emerging Technology (IJEET)</i> , Volume 5(1), Pages 08-15 <b>Impact Factor:</b> N/A <b>DOI:</b> <a href="http://www.ijeeet.com/index.php/ijeeet/article/view/105">http://www.ijeeet.com/index.php/ijeeet/article/view/105</a>	2022
<b>Clustering-Based Energy Management of Residential Loads by using Artificial Intelligence</b> <i>Umair Liaqat Muhammad Yousif Malik Shah Zeb Ali Muhammad Afzal</i> <i>Engineering Proceedings</i> , Volume 12(1), Article Number 15 <b>Impact Factor:</b> N/A   <b>Citations:</b> 1 <b>DOI:</b> <a href="https://doi.org/10.3390/engproc2021012015">https://doi.org/10.3390/engproc2021012015</a>	2021
<b>Design, sizing and economic feasibility of a hybrid PV/diesel/battery based water pumping system for farmland</b> <i>Muhammad Zeeshan Abid Muhammad Yousif Saleem Ullah Muhammad Hassan</i> <i>International Journal of Green Energy</i> , Pages 1-24 <b>Impact Factor:</b> 2.459   <b>Quartile:</b> 2   <b>Citations:</b> 21 <b>DOI:</b> <a href="https://doi.org/10.1080/15435075.2021.1954007">https://doi.org/10.1080/15435075.2021.1954007</a>	2021
<b>An optimal dispatch strategy for distributed microgrids using PSO</b> <i>Qian Ai Waqas Ahmad Wattoo Ziqing Jiang Ran Hao Muhammad Yousif Qian Ai Waqas Ahmad Wattoo Ziqing Jiang Ran Hao Yang Gao</i> <i>CSEE Journal of Power and Energy Systems</i> , Volume 6, Issue 3, Pages 724-734	2020

- Impact Factor:** 3.938 | **Quartile:** 1 | **Citations:** 67  
**DOI:** <https://doi.org/10.17775/cseejpes.2018.01070>
- Data augmentation strategy for small sample short-term load forecasting of distribution transformer** 2020  
*Muhammad Yousif Tianguang Lu Yufan Zhang Qian Ai Zhaoyu Li Shuangrui Yin Kaiyi Huang*  
*International Transactions on Electrical Energy Systems*, Volume 30, Article Number e12209, Pages 1-18  
**Impact Factor:** 2.860 | **Quartile:** 2 | **Citations:** 12  
**DOI:** <https://doi.org/10.1002/2050-7038.12209>
- An Optimal Asset Allocation Strategy for Suppliers Paying Carbon Tax in the Competitive Electricity Market** 2020  
*Waqas Ahmad Wattoo Ghulam Sarwar Kaloi Muhammad Yousif Mazhar Hussain Baloch Baqar Ali Zardari Jehangir Arshad Ghulam Farid Talha Younas Sohaib Tahir*  
*Journal of Electrical Engineering and Technology*, Volume 15, Pages 193–203  
**Impact Factor:** 1.069 | **Quartile:** 4 | **Citations:** 6  
**DOI:** <https://doi.org/10.1007/s42835-019-00318-3>
- Two kinds of decentralized robust economic dispatch framework combined distribution network and multi-microgrids** 2019  
*Xiaoqian Zhou Qian Ai Xiaoqian Zhou Qian Ai Muhammad Yousif*  
*Applied Energy*, Volume 253, Article Number 113588  
**Impact Factor:** 8.848 | **Quartile:** 1 | **Citations:** 89  
**DOI:** <https://doi.org/10.1016/j.apenergy.2019.113588>
- Design of protected circuit models for nonlinear dielectric conductivity measurement system under high-energy impulse breakdown conditions** 2019  
*Muhammad Yousif Chenyang Liu Siqun Hu Kun Han Wei Yao Yang Liu*  
*AIP Advances*, Volume 9, Issue 10, Article Number: 105003  
**Impact Factor:** 1.337 | **Quartile:** 3  
**DOI:** <https://doi.org/10.1063/1.5110933>
- Distributed Cooperative Economic Optimization Strategy of a Regional Energy Network Based on Energy Cell–Tissue Architecture** 2019  
*Yang Gao Qian Ai Xiaoyu Wang Muhammad Yousif Yang Gao Qian Ai Xiaoyu Wang*  
*IEEE Transactions on Industrial Informatics*, Volume 15, No. 9, Pages 5182-5193  
**Impact Factor:** 9.122 | **Quartile:** 1  
**DOI:** <https://doi.org/10.1109/tii.2019.2897741>
- Distributed Demand Response Optimization With Global Constraints Based on Multi-agent System** 2019  
*Muhammad Yousif Hao Ran Ai Qian Zhang Yufan Sun Shumin Jiang Ziqing*  
*Power System Technology*, Volume 43, No. 9, Pages 3139-3148  
**Impact Factor:** N/A | **Citations:** 6  
**DOI:** <https://doi.org/10.13335/j.1000-3673.pst.2019.0390>
- Optimal asset allocation of wind energy units in conjunction with demand response for a large-scale electric grid** 2019  
*Waqas Ahmad Wattoo Muhammad Yousif Muhammad Tuoqeer Anwar Muhammad Numan Donghan Feng Sohaib Tahir*  
*International Journal of Energy Research*, Volume 43, Issue 10, Pages 5447-5459  
**Impact Factor:** 3.741 | **Quartile:** 1 | **Citations:** 3  
**DOI:** <https://doi.org/10.1002/er.4663>
- Source-load-storage consistency collaborative optimization control of flexible DC distribution network considering multi-energy complementarity** 2019  
*Yang Gao Muhammad Yousif Xiaoyu Wang Qian Ai*  
*International Journal of Electrical Power and Energy Systems*, Volume 107, Pages 273-281  
**Impact Factor:** 3.588 | **Quartile:** 1 | **Citations:** 37  
**DOI:** <https://doi.org/10.1016/j.ijepes.2018.11.033>
- Dataset for Scheduling Strategies for Microgrids Coupled with Natural Gas Networks** 2019  
*Muhammad Yousif Qian Ai Yang Gao Waqas Ahmad Wattoo Ran Hao Ziqing Jiang*  
*Data*, Volume 4, Issue 1, Article Number 24  
**Impact Factor:** - | **Citations:** 5  
**DOI:** <https://doi.org/10.3390/data4010024>

<b>Least cost combinations of solar power, wind power</b> <i>Muhammad Yousif Qian Ai Waqas Ahmad Wattoo Ziqing Jiang Ran Hao Yang Gao Qian Ai Waqas Ahmad Wattoo Ziqing Jiang Ran Hao Yang Gao</i> <i>Journal of Power Sources</i> , Volume 412, Pages 710-716 <b>Impact Factor:</b> 8.247   <b>Quartile:</b> 1   <b>Citations:</b> 47 <b>DOI:</b> 10.1016/j.jpowsour.2018.11.084	2019
<b>A Promising Scheme for Portfolio Selection to Gain Pragmatic Pool-based Electricity Market Returns under Uncertain Circumstances</b> <i>Waqas Ahmad Wattoo Donghan Feng Muhammad Yousif Sohaib Tahir</i> <i>Studies in Informatics and Control</i> , Volume 27(4), Pages 431-442 <b>Impact Factor:</b> 1.347   <b>Quartile:</b> 3   <b>Citations:</b> 1 <b>DOI:</b> <a href="https://doi.org/10.24846/v27i4y201807">https://doi.org/10.24846/v27i4y201807</a>	2018
<b>Application of Particle Swarm Optimization to a Scheduling Strategy for Microgrids Coupled with Natural Gas Networks</b> <i>Muhammad Yousif Qian Ai Yang Gao Waqas Ahmad Wattoo Ziqing Jiang Ran Hao</i> <i>Energies</i> , Volume 11(12), Article Number 3499 <b>Impact Factor:</b> 2.707   <b>Quartile:</b> 3   <b>Citations:</b> 21 <b>DOI:</b> <a href="https://doi.org/10.3390/en11123499">https://doi.org/10.3390/en11123499</a>	2018
<b>Autonomous Decentralized Control of Multi-Agent System for AC/DC Hybrid Grid</b> <i>Gao Yang Ai Qian Hao Ran Zhang Zhaocheng Muhammad Yousif</i> <i>Power System Technology</i> , Volume 41(1), Pages 1158-1166 <b>Impact Factor:</b> N/A   <b>Citations:</b> 10 <b>DOI:</b> 10.13335/j.1000-3673.pst.2016.2552	2017

## Conference Proceedings

<b>Design and Analysis of Spoke-Type Inverted V Shape IPMSM with Concentrated Winding for EV Applications</b> <i>Salar Ahmad Khalil Muhammad Yousif Faisal Khan Urooj Jadoon</i> <i>International Conference on Emerging Power Technologies (ICEPT) 2025</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICEPT66058.2025.11036224	2025
<b>Socio-economic impacts of micro hydro power (MHP) electrification on the rural community of Pakistan: a case study of 150 kw MHP plant at village Lalkoo (Swat)</b> <i>Bilal Ayaz Khan Dr Abeera Ayaz Ansari Dr Muhammad Yousif</i> <i>5th International Conference on Sustainable Energy Technologies (ICSET 2023)</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> <a href="http://uspcase.uetpeshawar.edu.pk/icset-2023/">http://uspcase.uetpeshawar.edu.pk/icset-2023/</a>	2023
<b>Grid Design and Renewable Energy System</b> <i>Muhammad Yousif</i> <i>ASME-ACES (Advanced Clean Energy Summit) on 9-10 Jan 2023</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> Nil	2023
<b>Effect of Dust Deposition on Performance of Photovoltaic Module and Methods of Cleaning for Improved Performance in Pakistan</b> <i>Mahnoor Rashid Dr. Muhammad Yousif</i> <i>2023 IEEE International Conference on Emerging Trends in Engineering, Sciences and Technology (ICES&amp;T)</i> , res.country(177,) <b>Citations:</b> N/A <b>DOI:</b> Nil	2023
<b>Harmonics Reduction and Fault Analysis of Three-Phase Two-Level and Three-Level Quasi Z-Source Inverter</b> <i>H.U.K. Jadoon Muhammad Yasin Mohsin D. Huang Dr. Muhammad Yousif Sohaib Tahir N. Qin</i> <i>17th IEEE Conference on Industrial Electronics and Applications, ICIEA 2022</i> , res.country(48,) <b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICIEA54703.2022.10006283	2022
<b>Accuracy Improvement for the Diagnosis of Breast Cancer using Different Techniques of Machine Learning</b> <i>Muhammad Yasin Mohsin Mirza Riyasat Ali Dr. Muhammad Yousif Sohaib Tahir Chaudhary Waqar Tahir Waqas Ahmad Wattoo</i>	2022

Citations: N/A

DOI: 10.1109/ICETST55735.2022.9922939

Integration of Electric Vehicles in Smart Grid and Manage Power with Demand Response 2021

Abdul Haseeb Bhutta Muhammad Yousif

2021 International Conference on Computing, Electronic and Electrical Engineering (ICE Cube), res.country(177,)

Citations: N/A

DOI: 10.1109/ICECube53880.2021.9628261

Mitigation of Electric Vehicle Charging Impacts Using Photovoltaic and Valley Filling in a Real 2021

Distribution Network

Muhammad Zeeshan Sarwar Dr. Muhammad Yousif Dr Kashif Imran Shahryar Muhammad

The 3rd International Conference on Sustainable Energy Technologies (ICSET 2021), res.country(177,)

Citations: N/A

DOI: Nil

Strategy for Sizing and Placement of Distributed Generation in a Radial Distribution Network 2021

Shahryar Muhammad Muhammad Yousif kashif Imran Usman Ahmed

2021 6th International Electrical Engineering Conference (IEEC 2021), res.country(177,)

Citations: N/A

DOI: https://ieec.neduet.edu.pk/2021/papers\_2021/IEEC\_2021\_36.pdf

System Design and Control of VSC based HVDC System and its Performance Evaluation 2020

Muhammad Iftikhar Ahmad Muhammad Yousif

2020 IEEE 23rd International Multitopic Conference , res.country(177,)

Citations: N/A

DOI: https://doi.org/10.1109/INMIC50486.2020.9318167

An Optimal Dispatch Strategy for Distributed Micro-Grids 2018

Muhammad Yousif Qian Ai Yang Gao Waqas Ahmad Wattoo Ziqing Jiang Ran Hao

2nd IEEE Conference on Energy Internet and Energy System Integration (EI2), res.country(48,)

Citations: N/A

DOI: https://doi.org/10.1109/EI2.2018.8582181

Editorial Activities

Smart Grids and Sustainable Energy 2025

Reviewed Papers for Journals

Impact Factor: 3.4

Heliyon 2025

Reviewed Papers for Journals

Impact Factor: 3.4

Energy 2025

Reviewed Papers for Journals

Impact Factor: 9

Energy 2025

Reviewed Papers for Journals

Impact Factor: 0.9

Applied Thermal Engineering 2025

Reviewed Papers for Journals

Impact Factor: 6.1

e-Prime - Advances in Electrical Engineering, Electronics and Energy 2024

Reviewed Papers for Journals

Impact Factor: 1.5

Applied Energy 2023

Reviewed Papers for Journals

Impact Factor: 11.446

2023

Reviewed Papers for Journals

<b>Impact Factor:</b> N/A	
<b>Sustainability</b>	2023
Reviewed Papers for Journals	
<b>Impact Factor:</b> 3.88	
<b>Electronics</b>	2022
Reviewed Papers for Journals	
<b>Impact Factor:</b> 2.690	
	2022
Reviewed Papers for Journals	
<b>Impact Factor:</b> 1.528	
	2022
Reviewed Papers for Journals	
<b>Impact Factor:</b> 0	
	2022
Reviewed Papers for Journals	
<b>Impact Factor:</b> 3	
	2021
Reviewed Papers for Journals	
<b>Impact Factor:</b> 9.297	
	2021
Reviewed Papers for Journals	
<b>Impact Factor:</b> 0	
	2021
Reviewed Papers for Journals	
<b>Impact Factor:</b> 1.069	
	2021
Reviewed Papers for Journals	
<b>Impact Factor:</b> 3.894	
	2020
Reviewed Papers for Journals	
<b>Impact Factor:</b> 7.246	
	2020
Reviewed Papers for Journals	
	2019
Reviewed Papers for Journals	
<b>Impact Factor:</b> 7.246	