

Kashif Imran

Associate Professor
US-Pakistan Center for Advanced Studies in Energy

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About

Dr. Kashif Imran is working as Associate Professor in the US-Pakistan Center for Advanced Studies in Energy. Dr. Kashif Imran has a PhD in Electrical Power Engineering. Dr. Kashif Imran has published 94 research articles & conference papers having a citation count of 1120, carried out 8 projects and filed 0 intellectual property.

Qualifications

PhD in Electrical Power Engineering University of Strathclyde , United Kingdom	2011 - 2015
MS in Electrical Power Engineering UET Lahore , Pakistan	2006 - 2008
BS in Electrical Engineering UET Lahore , Pakistan	2002 - 2006

Experience

Associate Professor US-Pakistan Center for Advanced Studies in Energy	2024- Present
Associate Professor US-Pakistan Center for Advanced Studies in Energy	2022 - 2021
Associate Professor US-Pakistan Center for Advanced Studies in Energy	2021 - 2022
Assistant Professor US-Pakistan Center for Advanced Studies in Energy	2019 - 2016
Assistant Professor Centre for Energy System	2016 - 2022
Associate Professor USPCASE, NUST , H-12 Campus, Islamabad	2021 - 2022
HoD EE(P) USPCASE, NUST , H-12 Campus, Islamabad	2017 - 2021
Assistant Professor USPCAS-E, NUST , H-12 Campus, Islamabad	2016 - 2021
Assistant Professor COMSATS University Islamabad , Lahore	2007 - 2016
Engineer National Engineering Services Pakistan , Lahore	2006 - 2007
Engineer SIEMENS , Lahore	2006 - 2006
Lecturer/Lab Engineer UET Lahore , Lahore	2006 - 2006

Awards

Invited Op-Ed Op-Ed invited and published by East Asia Forum based at Australian National University, November 2020	2020
Invited by BritishCouncil Invited to Thought Leaders' Summit 2020 by British Council, March 2020	2020
Trainer for CPPAG Trainer and Reviewer in "Electricity Market Professional" training organized by Central Power Purchasing Agency (CPPAG) of Pakistan, 2018	2018
Collaboration with NEPRA Collaboration with National Electric Power Regulatory Authority (NEPRA) recognized in NEPRA's State of Industry Report 2017 published in 2018	2018
HEC Best Research Paper HEC Best Research Paper Award 2011 in Engineering and Technology	2015
Commonwealth Scholarship PhD Scholarship by Commission Scholarship Commission UK	2011
Invited Speaker at NEPRA Invited Speaker at NEPRA Energy Week, February 2020	

Professional Memberships

PEC	Since 2006
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Research Projects

National Projects	
Socio-Economic Assessment and Low Carbon Expansion planning model for Energy Projects under CPEC Funding Agency: HEC Amount: PKR 9,057,528.00 Status: Approved_inprocess	2024
Creating Climate Resilience through Energy Transition: Fostering Innovation and Awareness in Pakistan Funding Agency: Tara Climate Ltd Amount: PKR 18,900,120.00 Status: Approved_inprocess	2023
Developing the Strategy for Policy Oriented Energy Research Modeling at USPCAS-E - NUST Funding Agency: USAID Amount: PKR 2,700,000.00 Status: Completed	2017
IoT Based Industrial Load Monitoring and Management System Funding Agency: HEC Amount: PKR 13,600,000.00 Status: Completed	2019
International Projects	

Industry Projects

National Projects

External, mid-term evaluation of SoLAR Project - Pakistan Client: Swiss Agency for Development and Cooperation (SDC) Amount: PKR 575,750.00 Status: Completed	2023
Overview of Pakistan’s Power Sector and its Future Outlook Client: China Three Gorges Corporation (CTC) Amount: PKR 1,000,000.00 Status: Completed	2022
Provision of Solar Dryer Client: Islamic Relief Pakistan Amount: PKR 732,600.00 Status: Completed	2018

International Projects

Consultancy for Third Party Validation of 60 kW Solar PV System – IRC at Sector I-9/3 Islamabad Client: International Rescue Committee Amount: PKR 900,000.00 Status: Completed	2024
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Research Articles

Modified passive anti-islanding scheme with dual indices and u-transform-based state estimation <i>Huma umber Naz Faisal Mumtaz Kashif Imran Syed Basit Ali Bukhari</i> <i>Electric Power Systems Research</i> , Volume:247, Article Number 111858 Impact Factor: 3.300 Quartile: 2 DOI: https://doi.org/10.1016/j.epsr.2025.111858	2025
Towards energy efficiency in Pakistan: An analysis of increasing integrated fuel demand using LEAP forecasting and backcasting <i>Muhammad Shahid Kafait Ullah Kashif Imran Amjad Ali</i> <i>Fuel</i> , Volume 396, Article Number 135247 Impact Factor: 6.700 Quartile: 1 DOI: https://doi.org/10.1016/j.fuel.2025.135247	2025
Enhanced high voltage insulation performance of HTV silicon rubber nanocomposites filled with nano-TiO2 for outdoor applications <i>Aqeel ur Rehman Muhammad Salman Khan ABRAIZ KHATTAK Nafees Ahmad Kashif Imran Yasin Khan Khalid Hamad Alkhalid</i> <i>Scientific Reports</i> , Volume:15, Article Number:23735, Pages:14 Impact Factor: 3.9 Quartile: 1 DOI: https://doi.org/10.1038/s41598-025-02730-4	2025
Network reconfiguration and integration of distributed energy resources in distribution network by novel optimization techniques <i>Muhammad Zubair Iftikhar Kashif Imran</i> <i>Energy Reports</i> , Volume 12, Pages 3155-3179 Impact Factor: 4.700 Quartile: 2 Citations: 7 DOI: https://doi.org/10.1016/j.egy.2024.08.067	2024
Optimal distributed generators allocation with various load models under load growth using a meta-heuristic technique <i>Muhammad Zubair Iftikhar Kashif Imran Muhammad Imran Akbar Saim Ghafoor</i> <i>Renewable Energy Focus</i> , Volume 49, Article Number 100550 Impact Factor: 4.200 Quartile: 2 Citations: 7 DOI: https://doi.org/10.1016/j.ref.2024.100550	2024
Novel protection method for AC microgrids with multiple distributed generations using Unscented Kalman filter <i>Faisal Mumtaz Kashif Imran Habibur Rehman Syed Basit Ali Bukhari</i> <i>Electric Power Systems Research</i> , Volume 230, Article Number: 110227 Impact Factor: 3.9 Quartile: 2 Citations: 16	2024

Framework for policy prescription to sustainably steer stochastic penetration of electric vehicles and solar PV in distribution network of a developing country <i>Rimsha Razaq Kashif Imran Raveena Kumari Abdul Kashif Janjua Jiangfeng Zhang Maha Iftikhar Ammar Kharal</i> <i>Renewable Energy Focus</i> , Volume 48, Article Number 100548 Impact Factor: 4.200 Quartile: 2 Citations: 2 DOI: https://doi.org/10.1016/j.ref.2024.100548	2024
Hardware Supported Fault Detection and Localization Method for AC Microgrids Using Mathematical Morphology with State Observer Algorithm <i>Faisal Mumtaz Kashif Imran Habibur Rehman Hammad Ali Qureshi</i> <i>IEEE Access</i> , Volume:12, Page:12446-12457 Impact Factor: 3.9 Quartile: 2 Citations: 17 DOI: 10.1109/ACCESS.2024.3354790	2024
Biomass fly ash as nanofiller to improve the dielectric properties of low-density polyethylene for possible high-voltage applications <i>Atizaz Hussain Akram Nida Naeem Asif Hussain Khoja Faisal Shahzad Abraiz Khattak Muhammad Iftikhar Kashif Imran Abdulaziz Al-Anazi Israf Ud Din Syec Sheraz Daood</i> <i>Heliyon</i> , Volume 10, Issue 1, Article Number e23350 Impact Factor: 4.0 Quartile: 2 Citations: 7 DOI: https://doi.org/10.1016/j.heliyon.2023.e23350	2024
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 <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 Impact Factor: 10.4 Quartile: 1 Citations: 26 DOI: 10.1016/j.enconman.2023.117571	2023
Optimal battery energy storage system deployment from perspectives of private investors and system operators for enhancing power system reliability <i>Kinza Fida Kashif Imran Khawaja Khalid Mehmood Pakeeza Bano Abdullah Abosorrah Abdul Kashif Janjua</i> <i>Journal of Energy Storage</i> , Volume 69, Article Number 107882 Impact Factor: 9.4 Quartile: 1 Citations: 15 DOI: doi.org/10.1016/j.est.2023.107882	2023
1D recursive median filter based passive islanding detection strategy for grid-connected distributed generations network <i>Faisal Mumtaz Kashif Imran Habibur Rehman Syed Basit Ali Bukhari</i> <i>IET Renewable Power Generation</i> , Pages 1-16 Impact Factor: 3.034 Quartile: 2 Citations: 25 DOI: https://doi.org/10.1049/rpg2.12708	2023
System and Market-Wide Impact Analysis of Coordinated Demand Response and Battery Storage Operation by a Load-Serving Entity <i>Pakeeza Bano Kashif Imran Abdul Kashif Janjua Abdullah Abosorrah Kinza Fida Hesham Alhumade</i> <i>Energies</i> , Volume 16, Issue 4, Article Number 1645 Impact Factor: 3.252 Quartile: 3 Citations: 1 DOI: https://doi.org/10.3390/en16041645	2023
Harmonic Content-Based Protection Method for Microgrids via 1-Dimensional Recursive Median Filtering Algorithm <i>Faisal Mumtaz Kashif Imran Abdullah Abusorrah Syed Basit Ali Bukhari</i> <i>Sustainability</i> , Volume 15(1), Article Number 164 Impact Factor: 3.889 Quartile: 2 Citations: 15 DOI: https://doi.org/10.3390/su15010164	2022
A State-Observer-Based Protection Scheme for AC Microgrids with Recurrent Neural Network Assistance <i>Faisal Mumtaz Haseeb Hassan Khan Amad Zafar Muhammad Umair Ali Kashif Imran</i> <i>Energies</i> , Volume 15(22), Article Number 8512 Impact Factor: 3.252 Quartile: 3 Citations: 21	2022

DOI: <https://doi.org/10.3390/en15228512>

Framework for the analysis of renewable energy grid policies in the context of COVID-19

2022

Abdul Kashif Janjua Muhammad Kashif Farooq Ahmad Ahmed Rasheed Muhammad Shahzad Younis Syed Ali Abbas Kazmi Kashif Imran Heliyon , Volume 8, Issue 10, Article Number e10123

Impact Factor: 3.776 | Quartile: 2 | Citations: 3

DOI: doi.org/10.1016/j.heliyon.2022.e10123

High speed protection of medium voltage DC distribution system using modified mathematical morphology

2022

Maqsood Ahmad Shah Syed Basit Ali Bukhari Kashif Imran Khawaja Khalid Mehmood Faisal Mumtaz Abdullah Abosorrah Syed Ali Abbas Kazmi Abdul Wadood

IET Renewable Power Generation , Pages 1-15

Impact Factor: 3.034 | Quartile: 2 | Citations: 19

DOI: <http://doi.org/10.1049/rpg2.12564>

High Impedance Faults Detection and Classification in Renewable Energy-Based Distribution Networks Using Time-Varying Kalman Filtering Technique

2022

Kashif Imran Muhammad Yousif Faisal Mumtaz Muhammad Asif Haseeb Hassan Khan Shahrukh Abbas Muhammad Usman Haider Asad Ullah Engineering Proceedings , Volume 20(1), Article Number 34

Impact Factor: N/A | Citations: 10

DOI: <https://doi.org/10.3390/engproc2022020034>

A Kalman Filter-Based Protection Strategy for Microgrids

2022

Faisal Mumtaz Kashif Imran Syed Basit Ali Bukhari Khawaja Khalid Mehmood Abdullah Abosorrah Maqsood Ahmad Shah Syed Ali Abbas Kazmi IEEE Access , Volume 10, Pages 73243-73256

Impact Factor: 3.476 | Quartile: 2 | Citations: 36

DOI: [10.1109/ACCESS.2022.3190078](https://doi.org/10.1109/ACCESS.2022.3190078)

Economic and environmental analysis of green transport penetration in Pakistan

2022

Muhammad Shahid Kafait Ullah Kashif Imran Neha Masroor Muhammad Bilal Sajid Energy Policy , Volume 166, Article Number 113040

Impact Factor: 6.142 | Quartile: 1 | Citations: 18

DOI: <https://doi.org/10.1016/j.enpol.2022.113040>

A Critical Review of State-of-the-Art Optimal PMU Placement Techniques

2022

Muhammad Musadiq hmed Muhammad Amjad Muhammad Ali Qureshi Kashif Imran Zunaib Maqsood Haider Muhammad Omer Khan Energies , journal

Impact Factor: 3.004 | Quartile: 3 | Citations: 28

DOI: <https://doi.org/10.3390/en15062125>

Design and Analysis of a Dual Rotor Multiphase Brushless DC Motor for its Application in Electric Vehicles

2021

Abasin Ulasyar Haris Sheh Zad Abraiz Khattak Shibli Nisar Kashif Imran Mujtaba Hussain Engineering, Technology & Applied Science Research , Volume 11, No. 6, Pages 7846-7852

Impact Factor: N/A | Citations: 11

DOI: <https://doi.org/10.48084/etasr.4345>

An Optimization-Based Reliability Enhancement Scheme for Active Distribution Systems Utilizing Electric Vehicles

2021

Rashid Khan Khawaja Khalid Mehmood Syed Basit Ali Bukhari Kashif Imran Abdul Wadood Sang Bong Rhee Sina Park IEEE Access , Volume 9, Pages 157247-157258

Impact Factor: 3.367 | Quartile: 2 | Citations: 18

DOI: <https://doi.org/10.1109/ACCESS.2021.3127802>

Techno-economic assessment and sustainability impact of hybrid energy systems in Gilgit-Baltistan, Pakistan

2021

Mazhar Ali Rashid Wazir Kashif Imran Kafait Ullah Abdul Kashif Janjua Abasin Ulasyar Abraiz Khattak Joseph M. Guerrero Energy Reports , Volume 7, Pages 2546-2562

Impact Factor: 4.937 | Quartile: 2 | Citations: 61

DOI: <https://doi.org/10.1016/j.egy.2021.04.036>

Artificial neural network based simplified one day ahead forecasting of solar photovoltaic power generation

2021

Asim Munir Abraiz Khattak Kashif Imran Abasin Ulasyar Nasim Ullah Azhar Ul Haq Adam Khan Journal of Engineering Research , Pages 1-23

Impact Factor: 0.620 Quartile: 4 Citations: 5 DOI: https://doi.org/10.36909/jer.10425	
Investigation of epoxy composites for outdoor insulation under accelerated ultraviolet exposure <i>Abraiz Khattak Safi Ullah Butt Asghar Ali Faiza Kashif Imran Nasim Ullah Ahmad Aziz Alahamadi Adam Khan</i> <i>Materials Research Express</i> , Volume 8, Number 8, Article Number 085303 Impact Factor: 1.620 Quartile: 4 Citations: 13 DOI: https://doi.org/10.1088/2053-1591/ac1aa8	2021
LEAP simulated economic evaluation of sustainable scenarios to fulfil the regional electricity demand in Pakistan <i>Muhammad Shahid Kashif Imran Kafait Ullah Arshad Mehmood Maarten Arentsen</i> <i>Sustainable Energy Technologies and Assessment</i> , Volume 46, Article Number 101292 Impact Factor: 7.632 Quartile: 2 Citations: 41 DOI: https://doi.org/10.1016/j.seta.2021.101292	2021
Hierarchical Control of Microgrid Using IoT and Machine Learning Based Islanding Detection <i>Waleed Ali Abasin Ulasyar Mussawir Ul Mehmood Abraiz Khattak Kashif Imran Haris Sheh Zad Shibli Nisar</i> <i>IEEE Access</i> , Volume 9, Pages 103019-103031 Impact Factor: 3.476 Quartile: 2 Citations: 56 DOI: 10.1109/ACCESS.2021.3098163	2021
Islanding Detection for Inverter-Based Distributed Generation Using Unsupervised Anomaly Detection <i>Adeel Arif Kashif Imran Qiushi Cui Yang Weng</i> <i>IEEE Access</i> , Volume 9, Pages 90947-90963 Impact Factor: 3.476 Quartile: 2 Citations: 23 DOI: https://doi.org/10.1109/ACCESS.2021.3091293	2021
Exploiting the Inherent Flexibility in Transmission Network for Optimal Scheduling, Wind Power Utilization, and Network Congestion Management <i>Akif Zia Khan Kashif Imran Muhammad Numan Mansoor Asif Sarmad Majeed Malik</i> <i>IEEE Access</i> , Volume 9, Pages 88746-88758 Impact Factor: 3.476 Quartile: 2 Citations: 22 DOI: 10.1109/ACCESS.2021.3090089	2021
Investigation of Hydrothermally Stressed Silicone Rubber/Silica Micro and Nanocomposite for the Coating of High Voltage Insulation Applications <i>Faiza Abraiz Khattak Safi Ullah Butt Kashif Imran Abasin Ulasyar Asghar Ali Zuhair Subhani Khan Azhar Mahmood Nasim Ullah Ahmad Aziz Alahmadi Adam Khan</i> <i>Materials</i> , Volume 14(13), Article Number 3567 Impact Factor: 3.748 Quartile: 1 Citations: 12 DOI: https://doi.org/10.3390/ma14133567	2021
Optimal Day-Ahead Scheduling for Campus Microgrid by using MILP Approach <i>Sharyar Ul Hassan Hashmi Abasin Ulasyar Haris Sheh Zad Abraiz Khattak Kashif Imran</i> <i>Pakistan Journal of Engineering and Technology (PakJET)</i> , Volume 4, Number: 2, Pages 21-27 Impact Factor: N/A DOI: https://doi.org/10.51846/vol4iss2pp21-27	2021
Techno-economic potential assessment of mega scale grid-connected PV power plant in five climate zones of Pakistan <i>Adeel Waqas Naseer Ahmed Atif Naveed Khan Naveed Ahmed Adnan Aslam Kashif Imran Muhammad Bilal Sajid</i> <i>Energy Conversion and Management</i> , Volume 237, Article Number 114097 Impact Factor: 11.533 Quartile: 1 Citations: 60 DOI: https://doi.org/10.1016/j.enconman.2021.114097	2021
Multi-Stressed Nano and Micro-Silica/Silicone Rubber Composites with Improved Dielectric and High-Voltage Insulation Properties <i>Faiza Abraiz Khattak Aqeel Ur Rehman Asghar Ali Azhar Mahmood Kashif Imran Abasin Ulasyar Haris Shehzad Nasim Ullah Adam Khan</i> <i>Polymers</i> , Volume 13(9), Article Number 1400 Impact Factor: 4.329 Quartile: 1 Citations: 18 DOI: https://doi.org/10.3390/polym13091400	2021
Ensuring Reliable Operation of Electricity Grid by Placement of FACTS Devices for Developing Countries	2021

<p><i>Atif Naveed Khan Kashif Imran Abraiz Khattak Kafait Ullah Muhammad Shahzad Younis Muhammad Nadeem Anamitra Pal Muhammad Waseem Younas Energies</i> , Volume 14(8), Article Number 2283</p> <p>Impact Factor: 3.252 Quartile: 3 Citations: 9</p> <p>DOI: https://doi.org/10.3390/en14082283</p>	
<p>Bilateral negotiations for electricity market by adaptive agent-tracking strategy</p> <p><i>Kashif Imran Abraiz Khattak Kafait Ullah Sherjeel Mahmood Baig Jiangfeng Zhang Anamitra Pal Electric Power Systems Research</i> , Volume 186, Article Number 106390</p> <p>Impact Factor: 3.414 Quartile: 2 Citations: 18</p> <p>DOI: https://doi.org/10.1016/j.epsr.2020.106390</p>	2020
<p>Electricity supply pathways based on renewable resources: A sustainable energy future for Pakistan</p> <p><i>Muhammad Shahid Kafait Ullah Kashif Imran Imran Mahmood Arshad Mahmood Journal of Cleaner Production</i> , Volume 263, Article Number 121511</p> <p>Impact Factor: 9.297 Quartile: 1 Citations: 48</p> <p>DOI: https://doi.org/10.1016/j.jclepro.2020.121511</p>	2020
<p>Investigation of dielectric properties and methylene intactness under multiple environmental stresses for high voltage epoxy composites</p> <p><i>Abraiz Khattak Kashif Imran Faiza Asghar Ali Abasin Ulasayar Azhar Ul Haq Muhammad Amin Adam Khan Materials Research Express</i> , Volume 7, Article Number 075304</p> <p>Impact Factor: 1.620 Quartile: 4 Citations: 5</p> <p>DOI: https://doi.org/10.1088/2053-1591/aba060</p>	2020
<p>Effects of Compression and Silica Addition on the Dielectric Properties of Epoxy Composites</p> <p><i>Abraiz Khattak Kashif Imran Asghar Ali Zuhair Subhani Khan abasin ulasyar Muhammad Amin Adam Khan Azhar Ul Haq Arabian Journal for Science and Engineering</i> , Pages 1-10</p> <p>Impact Factor: 2.334 Quartile: 3 Citations: 5</p> <p>DOI: https://doi.org/10.1007/s13369-020-04686-1</p>	2020
<p>Matchmaking Model for Bilateral Trading Decisions of Load Serving Entity</p> <p><i>Kashif Imran Kafait Ullah Abraiz Khattak Jiangfeng Zhangb Anamitra Pal Muhammad Nauman Rafique Sherjeel Mahmood Baig Electric Power Systems Research</i> , Volume 183, Article Number 106281</p> <p>Impact Factor: 3.414 Quartile: 2 Citations: 9</p> <p>DOI: https://doi.org/10.1016/j.epsr.2020.106281</p>	2020
<p>Cloud Based IoT Solution for Fault Detection and Localization in Power Distribution Systems</p> <p><i>Mussawir Ul Mehmood Abasin Ulasayar Abraiz Khattak Kashif Imran Haris Sheh Zad Shibli Nisar Energies</i> , Volume 13(11), Article Number 2686</p> <p>Impact Factor: 3.004 Quartile: 3 Citations: 26</p> <p>DOI: https://doi.org/10.3390/en13112686</p>	2020
<p>Optimal Placement of Electric Vehicle Charging Stations in the Active Distribution Network</p> <p><i>Muhammad Zulqarnain Zeb Kashif Imran Abraiz Khattak Abdul Kashif Janjua Muhammad Nadeem Anamitra Pal Jiangfeng Zhang Sohail Khan Anamitra Pal IEEE Access</i> , Volume 8, Pages 68124-68134</p> <p>Impact Factor: 3.367 Quartile: 2 Citations: 199</p> <p>DOI: https://doi.org/10.1109/ACCESS.2020.2984127</p>	2020
<p>Optimal Placement, Sizing and Coordination of FACTS Devices in Transmission Network Using Whale Optimization Algorithm</p> <p><i>Muhammad Nadeem Kashif Imran Abraiz Khattak Abasin Ulasayar Energies</i> , Vol 13, Issue 3, 753</p> <p>Impact Factor: 3.004 Quartile: 3 Citations: 77</p> <p>DOI: https://doi.org/10.3390/en13030753</p>	2020
<p>A New Users Rating-trend based Collaborative Denoising Auto-Encoder for Top-N Recommender Systems</p> <p><i>Zeshan Aslam Khan Syed Zubair Kashif Imran Rehan Ahmad Sharjeel Abid Butt Naveed Ishtiaq Chaudhary IEEE Access</i> , Volume 7, Pages 141287-141310</p> <p>Impact Factor: 3.745 Quartile: 1 Citations: 14</p> <p>DOI: 10.1109/ACCESS.2019.2940603</p>	2019
<p>Life Estimation and Investigation of Dielectric Strength and Siloxane Backbone of High Voltage Silicone Rubber Composites Under Accelerated Multistress Conditions</p>	2019

<p><i>Muhammad Amin Adam Khan Kashif Imran Abraiz Khattak</i> <i>Arabian Journal for Science and Engineering</i>, Volume 44, Issue 8, Pages 7149-7158</p> <p>Impact Factor: 1.711 Quartile: 3 Citations: 14 DOI: 10.1007/s13369-019-03839-1</p>		
<p>A technical comparison of wholesale electricity markets in North America and Europe</p> <p><i>Kashif Imran Ivana Kockar</i> <i>Electric Power Systems Research</i></p> <p>Impact Factor: 1.749 Quartile: 2 Citations: 49 DOI: 10.1016/j.epsr.2013.10.016</p>		2014
<p>Efficient path planning in semi-fault tolerant robotics</p> <p><i>Kashif Imran Nazifa Fatima Intesar Ahmad Muhammad Shuja Khan</i> <i>International Journal of Engineering and Technology</i>, Vol: 11, Issue: 2, Pages 120-125</p> <p>Impact Factor: 0</p>		2011
<p>A Novel Approach for Detection of Shorted Turns Fault in Machine Using Combination of Flux and Instantaneous Power Signal</p> <p><i>Intesar Ahmed Manzar Ahmed M. Shuja Khan Kashif Imran</i> <i>International Journal of Computer and Electrical Engineering</i>, Vol. 3, No. 2, Pages 233-239</p> <p>Impact Factor: 0</p>		2011
<p>Detection of Eccentricity Faults in Machine Using Frequency Spectrum Technique</p> <p><i>Kashif Imran Intesar Ahmed Manzar Ahmed M. Shuja Khan S. Junaid Akhtar</i> <i>International Journal of Computer and Electrical Engineering</i>, Vol.3, No.1, Pages 111-119</p> <p>Impact Factor: 0</p>		2011
<p>Impacts of proposed utilization of various indigenous coal reserves for power generation on production cost and environment</p> <p><i>M S Akbar I Ahmad Y M Siddiqi M S Akbar I Ahmad Y M Siddiqi Kashif Imran Hafiz Tehzebul Hassan</i> <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i>, Volume 225, Issue A3, Pages 233-241</p> <p>Impact Factor: 0.7 Quartile: 3 Citations: 3 DOI: 10.1177/2041296710394300</p>		2011
<p>Intelligent Object & Pattern Recognition using Ensembles in Backpropagation Neural Network</p> <p><i>Hafiz T. Hassan Muhammad U. Khalid Kashif Imran</i> <i>International Journal of Electrical & Computer Sciences</i>, Vol. 10, No. 6, Pages 52-59</p> <p>Impact Factor: 0</p>		2010
<p>Meeting Load Demand at Least Cost in De-centralised Electricity Environment</p> <p><i>Hafiz T. Hassan Muhammad F. Aslam Intesar Ahmad Kashif Imran</i> <i>International Journal of Electrical & Computer Sciences</i>, Vol.10, No.06, Pages 24-29</p> <p>Impact Factor: 0</p>		2010
<p>Spectral Analysis of Misalignment in Machines Using Sideband Components of Broken Rotor Bar, Shorted Turns and Eccentricity</p> <p><i>I. Ahmed M. Ahmed M. Shuja. Khan T. Akram M. Jawad Kashif Imran</i> <i>International Journal of Electrical & Computer Sciences</i>, Vol.10, No. 06, Pages 85-93</p> <p>Impact Factor: 0</p>		2010
<p>Simulation analysis of emissions trading impact on a non-utility power plant</p> <p><i>Tehzebul Hassan Hon-Wing Ngan Intesar Ahmad Muhammad Farooq Aslam Kashif Imran</i> <i>Energy Policy</i>, Volume 37, Issue 12, Pages 5694-5703</p> <p>Impact Factor: 2.436 Quartile: 1 Citations: 3 DOI: 10.1016/j.enpol.2009.08.036</p>		2009

Conference Proceedings

<p>Isolation Forest-Based Anomaly Detection Through Generation Offers and Optimal Dispatch Data</p> <p><i>Muhammad Ahmad Kashif Imran Hani Attar Ahmed Solyman</i> 2025 International Conference on Emerging Power Technologies (ICEPT), res.country(177,)</p> <p>Citations: N/A DOI: 10.1109/ICEPT66058.2025.11036212</p>		2025
<p>Smart Passive Islanding Detection Technique based on Time-varying Kalman Algorithm</p>		2024

<p><i>Huma umber Naz Muhammad Zubair Iftikhar Faisal Mumtaz Kashif Imran Syed junaid Iqbal</i> 2024 6th International Conference on Smart Power & Internet Energy Systems (SPIES), res.country(2,)</p> <p>Citations: N/A DOI: 10.1109/SPIES63782.2024.10983447</p>	
<p>Fault Detection & Classification in 230 kV Transmission Networks Using Hybrid-filtering Approach</p> <p><i>Mahum Jamil Kashif Imran Faisal Mumtaz Maliha Shah</i> 2023 International Conference on Emerging Power Technologies, ICEPT 2023, res.country(177,)</p> <p>Citations: N/A DOI: 10.1109/ICEPT58859.2023.10152376</p>	2023
<p>Optimal Selection of Candidate Wind Farms Capacity for Generation Expansion Planning</p> <p><i>Maliha Shah Kashif Imran Hafsa Ahmad Muhammad Anas Mahum Jamil</i> International Conference on Energy, Power, Environment, Control, and Computing, res.country(177,)</p> <p>Citations: N/A DOI: Nil</p>	2023
<p>Incipient fault detection in active-distribution networks based on Time-varying Kalman Filter</p> <p><i>Faisal Mumtaz Maqsood Ahmed Shah Haseeb Hassan Khan Huma UMBER Naz Kashif Imran Muhammad Usman Haider</i> 6th International Conference on Energy, Environment, and Sustainable Development 2022 (EESD2022), res.country(177,)</p> <p>Citations: N/A DOI: Not Available</p>	2022
<p>A Proposed Underground Medium Voltage Feeder-Design Considering Ampacity and Temperature of Cable for High Rise Buildings in Pakistan</p> <p><i>Muhammad Asif Kashif Imran Faisal Mumtaz Taimoor Asghar Saleem Ullah</i> 6th International Conference on Energy, Environment, and Sustainable Development 2022 (EESD2022), res.country(177,)</p> <p>Citations: N/A DOI: Not Available</p>	2022
<p>Field Programmable Gate Array based multi-algorithm relay for anti-islanding protection in smart-grids</p> <p><i>Usman Ahmed Kashif Imran Muhammad Adeel Arif Faisal Mumtaz</i> 6th International Conference on Energy, Environment, and Sustainable Development 2022 (EESD2022), res.country(177,)</p> <p>Citations: N/A DOI: Not Available</p>	2022
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<p>Multi-Step Forecasting of Global Horizontal Irradiance Using Long Short-Term Memory Network for Solving Economic Dispatch Problem</p> <p><i>Qizal Ashfaq Abasin Ulasyar Haris Sheh Zad Shibli Nisar Abraiz Khattak Kashif Imran</i> 2021 International Conference on Innovative Computing (ICIC), res.country(282,)</p> <p>Citations: N/A DOI: 10.1109/ICIC53490.2021.9693031</p>	2021
<p>Mitigation of Electric Vehicle Charging Impacts Using Photovoltaic and Valley Filling in a Real Distribution Network</p> <p><i>Muhammad Zeeshan Sarwar Dr. Muhammad Yousif Dr Kashif Imran Shahryar Muhammad</i> The 3rd International Conference on Sustainable Energy Technologies (ICSET 2021), res.country(177,)</p> <p>Citations: N/A DOI: Nil</p>	2021
<p>Design and Analysis of Synchronverter Based Virtual Inertia Control for Hybrid Power Plants</p> <p><i>Osama Bin Muzaffar Abasin Ulasyar Haris Sheh Zad Abraiz Khattak Kashif Imran Shibli Nisar</i> 3rd International Conference on Sustainable Energy Technologies (ICSET 2021), res.country(177,)</p>	2021

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Citations: N/A DOI: Nil	
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Citations: N/A DOI: https://ieec.neduet.edu.pk/2021/papers_2021/IEEC_2021_36.pdf	
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Citations: N/A DOI: Not Available	
Economic and Performance Analysis of PV System and Grid Supply for High Rise Building and Luxury Villa in Pakistan <i>Taimoor Asghar Kashif Imran Abraiz Khattak Abasin Ulasyar Atif Naveed Khan</i> <i>2021 4th International Conference on Energy Conservation and Efficiency (ICECE)</i> , res.country(177,)	2021
Citations: N/A DOI: 10.1109/ICECE51984.2021.9406306	
Impacts of High Penetration of Wind Power on Transmission System <i>Rizwan Ali Kashif Imran Syed Ali Abbas Kazmi Atif Naveed Khan Abraiz Khattak Abasin Ulasyar</i> <i>2021 4th International Conference on Energy Conservation and Efficiency (ICECE)</i> , res.country(177,)	2021
Citations: N/A DOI: 10.1109/ICECE51984.2021.9406282	
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Citations: N/A DOI: 10.1109/ICECE51984.2021.9406279	
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Design and Analysis of Controller for Non Isolated High Gain DC-DC converter <i>Kashif Imran Saad Ahmad Abasin Ulasyar Haris Sheh Zad Abraiz Khattak</i> <i>5th International Electrical Engineering Conference , res.country(177,)</i> Citations: N/A DOI: https://www.researchgate.net/publication/342961648_Design_and_Analysis_of_Controller_for_Non_Isolated_High_Gain_DC-DC_converter	2020
Optimal Sizing and Allocation of SVC and TCSC in Transmission Network by combined Sensitivity index and PSO <i>M. Zulqarnain zeb Abdul Kashif Janjua Muhammad Nadeem Kashif Imran</i> <i>2nd International Conference on Applied and Engineering Mathematics (ICAEM'19), res.country(177,)</i> Citations: N/A DOI: N/A	2019
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Solar PV Generation Forecast Model Based on the Most Effective Weather Parameters <i>Adeel Khan Muhammad Asim Munir Abraiz Khattak Kashif Imran Abasin Ulasyar</i> <i>5th International Conference on Power Generation Systems and Renewable Energy Technologies, res.country(224,)</i> Citations: N/A DOI: N/A	2019
A Low Cost Internet of Things (LCIoT) Based System for Monitoring and Control of UPS System using Node-Red, CloudMQTT and IBM Bluemix <i>Mussawir UI Mehmood Waleed Ali Abasin Ulasyar Haris Sheh Zad Abraiz Khattak Kashif Imran</i> <i>2019 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), res.country(177,)</i> Citations: N/A DOI: 10.1109/ICECCE47252.2019.8940686	2019
A Comparative Study to Promote Interconnected Configuration in Microgrid for DG Penetration at Distribution end <i>Usama Ameer Khan Ahsan Bin Ahmed Syed Ali Abbas Kazmi Kashif Imran</i> <i>2019 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), res.country(177,)</i> Citations: N/A DOI: 10.1109/ICECCE47252.2019.8940641	2019

Investigation of Archimedean Screw Turbine for optimal power output by varying number of blades <i>Abasin Ulasyar Adeel Khan Muhammad Asim Munir Abraiz Khattak Kashif Imran</i> <i>1st INTERNATIONAL CONFERENCE ON ELECTRICAL, COMMUNICATION AND COMPUTER ENGINEERING (ICECCE-2019), res.country(177,)</i> Citations: N/A DOI: N/A	2019
Optimal Allocation and Sizing of Solar Panels Generation via Particle Swarm Optimization Algorithm <i>Abdul Kashif Janjua Muhammad Nadeem Awais Amin Muhammad Zulqarnain Zeb Kashif Imran</i> <i>2019 2nd International Conference on Computing, Mathematics and Engineering Technologies (iCoMET), res.country(177,)</i> Citations: N/A DOI: 10.1109/ICOMET.2019.8673530	2019
Impact of PV Penetration on Short Circuit Current of Radial Distributed Feeder and Existing Power System Protection of NUST <i>Husnain Sadiq Usman Hameed Muhammad Nauman rafique Syed Ahmed Hassan Raza Kashif Imran</i> <i>2018 International Conference on Computing, Electronic and Electrical Engineering (ICE Cube), res.country(177,)</i> Citations: N/A DOI: 10.1109/ICECUBE.2018.8610993	2018
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Agent-Based Modeling of Electricity Purchasing Decisions by Load Serving Entities Subject to Transmission Rights and Constraints <i>Muhammad N. Rafique Sherjeel M. Baig Kashif Imran</i> <i>2018 International Conference on Electrical Engineering (ICEE), res.country(177,)</i> Citations: N/A DOI: 10.1109/ICEE.2018.8566937	2018
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Editorial Activities

Reviewed Papers for Journals Impact Factor: 1.53	2022
Reviewed Papers for Journals Impact Factor: 3.211	2020
Reviewed Papers for Journals Impact Factor: 3.746	2020