

Shahbaz Abbas

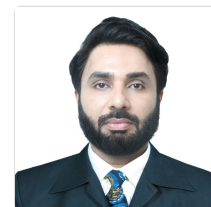
Assistant Professor

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About

Dr. Shahbaz Abbas is working as Assistant Professor in the School of Interdisciplinary Engineering & Sciences. Dr. Shahbaz Abbas has a PhD in Sustainable Energy Management. Dr. Shahbaz Abbas has published 15 research articles & conference papers having a citation count of 110, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Sustainable Energy Management Prince of Songkla University , Thailand	2018 - 2021
MS in Engineering Management Capital University of Science and Technology, Islamabad , Pakistan	2012 - 2014
BS in Electronic Engineering Mohammad Ali Jinnah University, Karachi , Pakistan	2004 - 2008

Experience

Assistant Professor School of Interdisciplinary Engineering & Sciences	2025- Present
Assistant Professor College of Electrical & Mechanical Engineering	2022 - 2022
Assistant Professor College of Electrical & Mechanical Engineering	2022 - 2025
Lecturer Capital University of Science and Technology , Zone V, Kahuta Road, Islamabad	2010 - 2017

Research Articles

Is quality of service along with stakeholder interdependencies imperative for the socially sustainable digital startups? <i>Javaria Umbreen Shahbaz Abbas Dr.Yasir Ahmad Afshan Naseem Muhammad Zeeshan Mirza</i> <i>International Journal of Quality & Reliability Management</i> , Pages 1-32 Impact Factor: 3.000 Quartile: 2 DOI: 10.1108/IJQRM-01-2024-0005	2025
Advancements in combustion technologies: A review of innovations, methodologies, and practical applications <i>Abdellatif M. Sadeq Raad Z. Homod Husam Abdulrasool Hasan Bilal Najj Alhasnawi Ahmed Kadhim Hussein Ali Jahangiri Hussein Togun Masoud Dehghani-Soufi Shahbaz Abbas</i> <i>Energy Conversion and Management: X</i> , Volume:26, Article Number 100964 Impact Factor: 7.100 Quartile: 1 DOI: https://doi.org/10.1016/j.ecmx.2025.100964	2025
Integrating relational values in social acceptance of photovoltaic energy storage systems: A consumers' perspective assessment using structural equation modeling <i>Shahbaz Abbas Kuaanan Techato Lin-Han Chiang Hsieh Abdellatif M. Sadeq</i> <i>Energy</i> , Volume 304, Article Number 132092 Impact Factor: 9.000 Quartile: 1 Citations: 5 DOI: https://doi.org/10.1016/j.energy.2024.132092	2024

<p>Interplay of emerging industrial technologies, ambidexterity, and sustainability: The case of the textile sector</p> <p><i>Binyameen Aslam Shahbaz Abbas Yasir Ahmad Syed Tasweer Hussain Shah Masood Raza</i> <i>Sustainable Production and Consumption</i>, Volume 49, Pages 372-386</p> <p>Impact Factor: 10.900 Quartile: 1 Citations: 4 DOI: https://doi.org/10.1016/j.spc.2024.07.006</p>	2024
<p>Modelling and Optimization of an existing Onshore Gas Gathering Network using PIPESIM</p> <p><i>Iftikhar Ahmed Aditya Prana Iswara Shahbaz Abbas Fahim Qaisar Jamal Iftikhar Ahmad Syed Tasweer Hussain Shah Afshan Naseem</i> <i>Heliyon</i>, Volume 10, Issue 15, Article Number e35006</p> <p>Impact Factor: 3.400 Quartile: 1 Citations: 1 DOI: https://doi.org/10.1016/j.heliyon.2024.e35006</p>	2024
<p>Integrating eco-labeling and green advertising in achieving Sustainable Development Goal 12</p> <p><i>Shahbaz Abbas Hania Munir Yasir Ahmad</i> <i>Business Strategy and Development</i>, Volume 7, Issue 2, Article Number e378</p> <p>Impact Factor: 4.800 Quartile: 1 Citations: 4 DOI: https://doi.org/10.1002/bsd2.378</p>	2024
<p>Revolutionising sustainability using a new triplet: A system dynamic model</p> <p><i>Shahbaz Abbas Abdur Rehman Bin Nasir Rao Farrukh Khattak Yasir Ahmad</i> <i>Ecological Modelling</i>, Volume 492, Article Number 110720</p> <p>Impact Factor: 3.100 Quartile: 2 DOI: https://doi.org/10.1016/j.ecolmodel.2024.110720</p>	2024
<p>Is it worthwhile to manage airport efficiency through privatization in a developing country? A case study of Pakistani airports</p> <p><i>Syed Askari Muslim Yasir Ahmad Shahbaz Abbas</i> <i>Journal of Air Transport Management</i>, Volume 115, Article Number: 102549</p> <p>Impact Factor: 6 Quartile: 2 Citations: 2 DOI: 10.1016/j.jairtraman.2024.102549</p>	2024
<p>Analysis of processed natural gas injection on hydrate formation in high pressure refrigerated condensate lines</p> <p><i>Iftikhar Ahmed Shahbaz Abbas Fahim Qaiser Jamal Iftikhar Ahmad Afshan Naseem Abdul Malik Tahir</i> <i>Heliyon</i>, Volume 10, Issue 4, Article Number; e25811</p> <p>Impact Factor: 4.0 Quartile: 2 Citations: 1 DOI: 10.1016/j.heliyon.2024.e25811</p>	2024
<p>Evaluation of Centralized Management and Distributed Deployment of Photovoltaic System for Domestic Households</p> <p><i>Hamza Sadat Afshan Naseem Shahbaz Abbas Mehran Ullah Majid Ali Masood Raza</i> <i>IEEE Access</i>, Volume: 12, Page(s): 13290-13309</p> <p>Impact Factor: 3.9 Quartile: 2 Citations: 1 DOI: 10.1109/ACCESS.2023.3341213</p>	2023
<p>Numerical Simulation of the Performance of Sb2Se3 Solar Cell via Optimizing the Optoelectronic Properties Based SCAPS-1D</p> <p><i>Shahbaz Abbas Saraswati Bajgai Asmaa Soheil Najm Mohammad Shah Jamal Kuaanan Techato Sittiporn Channumsin Suwat Sreesawet Manun</i> <i>Channumsin Amel Laref Kazi Sajedur Rahman Araa Mebdir Holi Md Shahariar Chowdhury</i> <i>Materials</i>, Volume 15, Issue 18, Article Number 6272</p> <p>Impact Factor: 3.748 Quartile: 1 Citations: 30 DOI: https://doi.org/10.3390/ma15186272</p>	2022
<p>Supply chain integrated decision model in order to synergize the energy system of textile industry from its resource waste</p> <p><i>Shahbaz Abbas Lin-Han Chiang Hsieh Kuaanan Techato</i> <i>Energy</i>, Volume 229, Article Number 120754</p> <p>Impact Factor: 8.857 Quartile: 1 Citations: 14 DOI: 10.1016/j.energy.2021.120754</p>	2021
<p>Sustainable production using a resource-energy-water nexus for the Pakistani textile industry</p> <p><i>Shahbaz Abbas Lin-Han Chiang Hsieh Kuaanan Techato Juntakan Taweekun</i> <i>Journal of Cleaner Production</i>, Volume 271, Article Number 122633</p> <p>Impact Factor: 9.297 Quartile: 1 Citations: 35</p>	2020

Book Chapters

- Analysis of Pakistani Textile Industry: Recommendations Towards Circular and Sustainable Production** 2021
Shahbaz Abbas Anthony Halog
In: *Book on Circular Economy: Assessment and Case Studies*, 1st Edition, Chapter 3, Pages 77-111
Citations: 13
DOI: https://doi.org/10.1007/978-981-16-3698-1_3

Editorial Activities

- Technology in Society** 2024
Reviewed Papers for Journals
Impact Factor: 10.32
- Environment, Development and Sustainability (ENVI)** 2024
Reviewed Papers for Journals
Impact Factor: 4.9
- Environment, Development and Sustainability (ENVI)** 2024
Reviewed Papers for Journals
Impact Factor: 4.9
- International Journal of Consumer Studies** 2024
Reviewed Papers for Journals
Impact Factor: 9.9
- PLOS ONE** 2024
Reviewed Papers for Journals
Impact Factor: 3.75
- Environment, Development and Sustainability** 2023
Reviewed Papers for Journals
Impact Factor: 4.9
- Environment, Development and Sustainability (ENVI)** 2023
Reviewed Papers for Journals
Impact Factor: 4.9
- Environment, Development and Sustainability** 2023
Reviewed Papers for Journals
Impact Factor: 4.9
- International Journal of Consumer Studies** 2022
Reviewed Papers for Journals
Impact Factor: 9.9