Hafiz Muhammad Abdur Rehman

Assistant Professor

School of Mechanical & Manufacturing Engineering

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LinkedIn:



About

Dr. Hafiz Muhammad Abdur Rehman is working as Assistant Professor in the School of Mechanical & Manufacturing Engineering. Dr. Hafiz Muhammad Abdur Rehman has a PhD in Civil and Environmental Engineering. Dr. Hafiz Muhammad Abdur Rehman has published 14 research articles & conference papers having a citation count of 190, carried out 0 projects and filed 0 intellectual property.

Qualifications

Assistant Professor

PhD in Civil and Environmental Engineering	2019 - 2024
University of New South Wales , Australia	
MS in Thermo-Fluids	2013 - 2016
King Fahad University of Petroleum and Minerals, Saudi Arabia	
BSc in Mech Engg	2008 - 2012
UET Lahore , Pakistan	
Experience	
Assistant Professor	2025- Present
School of Mechanical & Manufacturing Engineering	

School of Mechanical & Manufacturing Engineering

Lecturer 2024 - 2024

School of Mechanical & Manufacturing Engineering

Lecturer 2019 - 2024

School of Mechanical & Manufacturing Engineering

Lecturer 2016 - 2019

School of Mechanical & Manufacturing Engineering

Awards

Best Poster Award 2017

Presented a poster titled as "Rain cycle inspired solar water purification system for remote communities" that won the best poster award at International School on Energy Systems (ISES 2017), a 1 week interdisciplinary seminar on energy systems, organized by Forschungs- zentrum Jülich in Germany.

Research Articles

Long-term performance of eight green wall plants in removing xenobiotic organic compounds from greywater across varied operational conditions

2025

2024 - 2024

Hafiz Muhammad Abdur Rehman Kefeng Zhang Ana Deletic Stuart J. Khan Veljko Prodanovic Journal of Water Process Engineering, Volume: 71, Article Number: 107142, Pages:12

Impact Factor: 6.3 | Quartile: 1 | Citations: 1 DOI: https://doi.org/10.1016/j.jwpe.2025.107142

Praseodymium doped nickel oxide as hole-transport layer for efficient planar Perovskite Solar Cells

2024

Muhammad Tahir Hafiz Muhammad Abd ur Rehman Asif Hussain Mustafa Anwar Muhammad Adil Mansoor Faisal Abbas Sehar Shakir Optik, Volume:300, Article Number: 171630

Impact Factor: 3.1 | Quartile: 2 | Citations: 7

DOI: 10.1016/j.ijleo.2024.171630

Techno-economic assessment of wind farm for sustainable power generation in Northern coastal region of Arabian sea	2023
Muhammad Zaid Masood Khan Hafiz Muhammad Abdur Rehman Abdul Kashif Janjua Adeel Waqas Sehar Shakir Majid Ali Energy Reports , Volume 9, Pages 1278-1290	
Impact Factor: 4.937 Quartile: 2 Citations: 5 DOI: https://doi.org/10.1016/j.egyr.2022.12.057	
Prospects towards sustainability: A comparative study to evaluate the environmental performance of brick making kilns in Pakistan	2022
Affan Rauf Sehar Shakir Amos Ncube Hafiz Muhammad Abdur Rehman Abdul Kashif Janjua Saeeda Khanum Asif Hussain Environmental Impact Assessment Review, Volume 94, Article Number 106746	
Impact Factor: 7.9 Quartile: 1 Citations: 18 DOI: https://doi.org/10.1016/j.eiar.2022.106746	
Performance Analysis of Calcium-Doped Titania (TiO2) as an Effective Electron Transport Layer (ETL) for Perovskite Solar Cells	2022
Zafar Arshad Sehar Shakir Asif Hussain Khoja Ahad Hussain Javed Mustafa Anwar Abdur Rehman Rahat Javaid Umair Yaqoob Qazi Sarah Farrukh Energies, Volume 15(4), Article Number 1408	
Impact Factor: 3.004 Quartile: 3 Citations: 20 DOI: https://doi.org/10.3390/en15041408	
Techno-economic assessment of concentrated solar thermal power generation and potential barriers in its deployment in Pakistan	2021
Saad Tahir Muhammad Ahmad Hafiz Muhammad Abdur Rehman Saad Tahir Muhammad Ahmad Sehar Shakir Journal of Cleaner production, Volume 293, Article Number 126125	
Impact Factor: 11.072 Quartile: 1 Citations: 58 DOI: https://doi.org/10.1016/j.jclepro.2021.126125	
Multistep electrophoretic deposition of TiO2 film and its surface modification for dye sensitized solar cells	2020
Sehar Shakir Hafiz Muhammad Abd-ur-Rehman Rehan Zahid Mitsumasa Iwamoto Vengadesh Periasamy Journal of Alloys and Compounds, Volume 837, Article Number 155579	
Impact Factor: 5.316 Quartile: 1 Citations: 16 DOI: 10.1016/j.jallcom.2020.155579	
The potential of energy savings and the prospects of cleaner energy production by solar energy integration in the residential buildings of Saudi Arabia	2018
Hafiz M. Abd-ur-Rehman Sehar Shakir Fahad A. Al-Sulaiman Aamir Mehmood Muhammad Umer Journal of Cleaner Production, Volume 183, Pages 1113-1122	
Impact Factor: 6.395 Quartile: 1 DOI: https://www.sciencedirect.com/journal/journal-of-cleaner-production	
Fabrication of un-doped and magnesium doped TiO2 films by aerosol assisted chemical vapor deposition for dye sensitized solar cells	2018
Sehar Shakir Hafiz M. Abd-ur-Rehman Kamran Yunus Mitsumasa Iwamoto Vengadesh Periasamy Journal of Alloys and Compounds, -	
Impact Factor: 4.175 Quartile: 1 Citations: 51 DOI: 10.1016/j.jallcom.2017.12.165	
Electro-catalytic and structural studies of DNA templated gold wires on platinum/ITO as modified counter electrode in dye sensitized solar cells Sehar Shakir Yiing Yee Foo Nastaran Rizan Hafiz M. Abd?ur?Rehman Kamran Yunus Phang Siew Moi Vengadesh Periasamy Journal of Materials Science: Materials in Electronics, Volume 29, Issue 6, Pages 4602-4611	2018
Impact Factor: 2.324 Quartile: 2 Citations: 8 DOI: 10.1007/s10854-017-8411-3	
A novel design of a multistage stepped bubble column humidifier for the humidification of air Hafiz M. Abd-ur-Rehman Fahad A. Al-Sulaiman	2017
Applied Thermal Engineering, NULL Impact Factor: 3.771 Quartile: 2	
DOI: https://www.sciencedirect.com/science/article/pii/S1359431117323037 Experimental investigation of a bubble column humidifier heated through solar energy	2017
Fahad A. Al-Sulaiman Hafiz M. Abd-ur-Rehman Mohamed A. Antar Obaidallah Munteshari Desalination and Water Treatment, Volume 60, Pages 58-69	۷۱/

Impact Factor: 1.383 | Quartile: 3 | Citations: 6

DOI: 10.5004/dwt.2017.0086

An experimental investigation of a novel design air humidifier using direct solar thermal heating

2016

Hafiz M. Abd-ur-Rehman Fahad A. Al-Sulaiman Energy Conversion and Management, NULL

Impact Factor: 5.589 | Quartile: 1

DOI: https://www.sciencedirect.com/science/article/pii/S0196890416308524

 ${\bf Optimum\ selection\ of\ solar\ water\ heating\ (SWH)\ systems\ based\ on\ their\ comparative\ techno-economic}$

2016

feasibility study for the domestic sector of Saudi Arabia

Hafiz M. Abd-ur-Rehman Fahad A. Al-Sulaiman

Renewable and Sustainable Energy Reviews, NULL

Impact Factor: 8.050 | Quartile: 1

DOI: https://www.sciencedirect.com/science/article/pii/S1364032116300806

Editorial Activities

Reviewed Papers for Journals

Impact Factor: 6.019

2019