

Abbas Hussain

Assistant Professor
Pakistan Navy Engineering College

Email: abbashussain7@gmail.com
Contact: 36676375
LinkedIn: https://www.linkedin.com/in/abbas-hussain-ph-d-60b19622/



About

Dr. Abbas Hussain is working as Assistant Professor in the Pakistan Navy Engineering College. Dr. Abbas Hussain has a PhD in Mechanical Engineering. Dr. Abbas Hussain has published 8 research articles & conference papers having a citation count of 63, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Mechanical Engineering Koc University , Turkey	2014 - 2019
BE in Mechanical NED UET Karachi , Pakistan	2008 - 2011

Experience

Assistant Professor Pakistan Navy Engineering College	2022- Present
Assistant Professor Pakistan Navy Engineering College	2019 - 2022
Teaching Assistant koc university , koc university, Istanbul	2014 - 2019
Project Engineer National Refinery Limited , National Refinery Limited, Korangi Industrial Area, Karachi	2012 - 2014

Research Projects

National Projects	
Process health monitoring of CNC machines using Artificial Intelligence (AI) Funding Agency: PSF-TUBITAK Amount: PKR 20,000,000.00 Status: Approved_inprocess	2025

International Projects

Research Articles

Analysis of the Surface Quality and Temperature in Grinding of Acrylic-Based Resin
Syed Mustafa Haider Abbas Hussain Muntazir Abbas Shaheryar Atta Khan Shoaib Sarfraz
Journal of Manufacturing and Materials Processing, Volume 8(4), Article Number 139
Impact Factor: 3.300 | **Quartile:** 1 | **Citations:** 2
DOI: <https://doi.org/10.3390/jmmp8040139>

2024

Health monitoring of CNC machining processes using machine learning and wavelet packet transform
Abbas Hussain Taha Al Muhammadiyah Janjua Anjum Naeem Malik Antash Najib Shaheryar Atta Khan
Mechanical Systems and Signal Processing, Volume 212, Article Number 111326
Impact Factor: 8.400 | **Quartile:** 1 | **Citations:** 12
DOI: <https://doi.org/10.1016/j.ymssp.2024.111326>

2024

Design, Fabrication, and Analysis of a Precision Drilling Jig for Waste Reduction: A Low-cost Solution
Abbas Hussain Shaheryar Atta Khan Naeem Sarwar Amir Nawaz Syed Mustafa Haider
Jurnal Kejuruteraan , Volume 36(1), Pages 259-271
Impact Factor: 0.600 | **Quartile:** 3
DOI: [dx.doi.org/10.17576/jkukm-2024-36\(1\)-23](https://doi.org/10.17576/jkukm-2024-36(1)-23)

2024

Mechanics of milling 48-2-2 gamma titanium aluminide
Abbas Hussain S. Ehsan Layegh Ismail Lazoglu Pedro-J. Arrazola Xabier Lazcano Patxi-X. Aristimuno Omer Subasi I. Enes Yigit Çağlar Yavas Çağlar Öztürk
CIRP Journal of Manufacturing Science and Technology, Volume 30, Pages 131-139
Impact Factor: 3.602 | **Quartile:** 2 | **Citations:** 11
DOI: <https://doi.org/10.1016/j.cirpj.2020.05.001>

2020

A novel sensor using photo-interrupter for measuring static friction coefficient
Abbas Hussain Omer Subasi Ismail Lazoglu
Journal of Mechanical Science and Technology , Volume 34, Pages 2333–2339
Impact Factor: 1.734 | **Quartile:** 3 | **Citations:** 3
DOI: [10.1007/s12206-020-0509-5](https://doi.org/10.1007/s12206-020-0509-5)

2020

Distortion in milling of structural parts
Abbas Hussain Ismail Lazoglu
CIRP Annals - Manufacturing Technology , Volume 68, Issue 1, Pages 105-108
Impact Factor: 3.641 | **Quartile:** 2 | **Citations:** 35
DOI: <https://doi.org/10.1016/j.cirp.2019.04.053>

2019

Conference Proceedings

Vibration-Induced Degasification of Trapped Gas from The Liquids: Low-Cost Solution
Saad Karim Syed Mustafa Haider Abbas Hussain Antash Najib Syed Umer Majeed
International Mechanical Engineering Congress & Exposition (IMECE 2024) , res.country(233,)
Citations: N/A
DOI: Nil

2024

Machine-learning-based models for predicting the performance of Ground-source heat pumps using experimental data from a residential Smart Home in California.
Antash Najib Abbas Hussain Sreenidhi Krishnamoorthy
International Ground Source Heat Pump Association, res.country(233,)
Citations: N/A
DOI: [10.22488/okstate.22.000039](https://doi.org/10.22488/okstate.22.000039)

2022

Editorial Activities

Journal of Vibration Engineering & Technologies Reviewed Papers for Journals Impact Factor: 2.1	2025
Journal of Vibration Engineering & Technologies Reviewed Papers for Journals Impact Factor: 2.1	2025
 Reviewed Papers for Journals Impact Factor: N/A	2024
Proceedings of the Institution of Mechanical Engineers, Part B Reviewed Papers for Journals Impact Factor: 1.9	2024