

Antash Najib

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About

Dr. Antash Najib is working as Assistant Professor in the Pakistan Navy Engineering College. Dr. Antash Najib has a PhD in Mechanical & Aerospace Engineering. Dr. Antash Najib has published 15 research articles & conference papers having a citation count of 83, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Mechanical & Aerospace Engineering University of California, Davis , United States	2015 - 2020
MSc in Energy Systems NED UET Karachi , Pakistan	2012 - 2014
BSc in Mech Engg NED UET Karachi , Pakistan	2008 - 2001

Experience

Assistant Professor Pakistan Navy Engineering College	2022- Present
Assistant Professor Pakistan Navy Engineering College	2021 - 2022
PostDoc University of California Davis , One Shield Avenue	2020 - 2020
Graduate Student Researcher University of California Devis , University of California Devis, USA	2016 - 2020
Deputy Manager K-Electric Limited , K-Electric Limited, Karachi	2015 - 2016
Mechanical Design Engineer Himark Biogas , Himark Biogas, Karachi	2013 - 2015
Graduate Trainee ENI Oils & Gas , 5th Floor THE FORUM Clifton	2011 - 2012

Research Articles

Identification of critical success factors (CSFs) for successful project management in manufacturing sector Muhammad Nadeem Zia Aqueel Shah Shaheryar Atta Khan Antash Najib Journal of Enterprise Information Management, Volume: 37, Issue: 4, Pages:19, Impact Factor: 7.400 Quartile: 1 Citations: 6 DOI: 10.1108/JEIM-06-2023-0325	2024
Evaluation of the influence of dissolved nitrates on corrosion behaviour of ship structural steel exposed to seawater environment Muntazir Abbas Syed Haider Mehdi Rizvi Shoaib Sarfraz Asif Raza Asif Khan Adil Loya Antash Najib Ocean Engineering, Volume 298, Article Number 117268 Impact Factor: 5.0 Quartile: 1 Citations: 4 DOI: 10.1016/j.oceaneng.2024.117268	2024
Health monitoring of CNC machining processes using machine learning and wavelet packet transform	2024

<p><i>Abbas Hussain Taha Al Muhammadiyah Janjua Anjum Naeem Malik Antash Najib Shaheryar Atta Khan</i> <i>Mechanical Systems and Signal Processing</i>, Volume 212, Article Number 111326</p> <p>Impact Factor: 8.400 Quartile: 1 Citations: 12 DOI: https://doi.org/10.1016/j.ymssp.2024.111326</p>	2023
<p>Techno-economic analysis of incorporating up to 20% of wetland for the installation of a photovoltaic powerplant</p> <p><i>Shehzadi Bushra Javeed Syed Aqueel shah Antash Najib Eylia Abbas Jafri Shaheryar Atta Khan</i> <i>Sustainable Energy Technologies and Assessments</i>, Volume 57, Article Number 103212</p> <p>Impact Factor: 8.0 Quartile: 1 Citations: 2 DOI: 10.1016/j.seta.2023.103212</p>	2022
<p>Modeling, design optimization and field testing of a solar still with corrugated absorber plate and phase change material for Karachi weather conditions</p> <p><i>Hamza Ahmed Antash Najib Asad Ali Zaidi Muhammad Nihal Naseer Bumjoo Kim</i> <i>Energy Reports</i>, Volume 8, Pages 11530-11546</p> <p>Impact Factor: 4.937 Quartile: 2 Citations: 18 DOI: https://doi.org/10.1016/j.egyr.2022.08.276</p>	2022
<p>Comparative molecular dynamics simulations of thermal conductivities of aqueous and hydrocarbon nanofluids</p> <p><i>Adil Loya Antash Najib Fahad Aziz Asif Khan Guogang Ren Kun Luo</i> <i>Beilstein Journal of Nanotechnology</i>, Volume 13, Pages 620-628</p> <p>Impact Factor: 3.272 Quartile: 2 Citations: 7 DOI: https://doi.org/10.3762/bjnano.13.54</p>	2022
<p>Development of g-functions for large diameter shallow bore helical ground heat exchangers</p> <p><i>Antash Najib Angelo Zarrella Vinod Narayanan</i> <i>Applied Thermal Engineering</i>, Volume 200, Article Number 117620</p> <p>Impact Factor: 6.4 Quartile: 1 Citations: 4 DOI: 10.1016/j.applthermaleng.2021.117620</p>	2020
<p>Techno-economic parametric analysis of large diameter shallow ground heat exchanger in California climates</p> <p><i>Antash Najib Angelo Zarrella Vinod Narayanan Richard Bourne Curtis Harrington</i> <i>Energy and Buildings</i>, Volume 228, Article Number 110444</p> <p>Impact Factor: 5.879 Quartile: 1 Citations: 15 DOI: https://doi.org/10.1016/j.enbuild.2020.110444</p>	2019
<p>A revised capacitance resistance model for large diameter shallow bore ground heat exchanger</p> <p><i>Vinod Narayanan Peter Grant Antash Najib Curtis Harrington Angelo Zarrella</i> <i>Applied Thermal Engineering</i>, Volume 162, Article Number 114305</p> <p>Impact Factor: 4.725 Quartile: 1 Citations: 15 DOI: https://doi.org/10.1016/j.applthermaleng.2019.114305</p>	2019
<p>Analysis of Fluid Patterns in Cylindrical Vessels of Anaerobic Digester using CFD</p> <p><i>Antash Najib Muhammad Shakaib Ehtesham ul Haque</i> <i>Jurnal Kejuruteraan</i>, Volume 31(2), Pages 201-208</p> <p>Impact Factor: N/A DOI: 10.17576/jkukm-2019-31(2)-03</p>	

Conference Proceedings

<p>Vibration-Induced Degasification of Trapped Gas from The Liquids: Low-Cost Solution</p> <p><i>Saad Karim Syed Mustafa Haider Abbas Hussain Antash Najib Syed Umer Majeed</i></p> <p><i>International Mechanical Engineering Congress & Exposition (IMECE 2024) , res.country(233,)</i></p> <p>Citations: N/A</p> <p>DOI: Nil</p>	2024
<p>Ground-source direct radiant cooling system using existing overhead and underground water storage tanks for South Asian weather</p> <p><i>Dr. Antash Najib Ahmed Memon</i></p> <p><i>10th International Conference on Advances in Environment Research (ICAER 2024), res.country(113,)</i></p> <p>Citations: N/A</p> <p>DOI: https://ijesd.org/</p>	2024
<p>Machine-learning-based models for predicting the performance of Ground-source heat pumps using experimental data from a residential Smart Home in California.</p> <p><i>Antash Najib Abbas Hussain Sreenidhi Krishnamoorthy</i></p> <p><i>International Ground Source Heat Pump Association, res.country(233,)</i></p> <p>Citations: N/A</p> <p>DOI: 10.22488/okstate.22.000039</p>	2022
<p>Field Tests of Large Diameter Shallow Bore Helical Ground Heat Exchanger with Simulated Heating Loads</p> <p><i>Antash Najib Michael Slater David Springer Angelo Zarrella Vinod Narayanan Curtis Harrington</i></p> <p><i>2020 ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers) Annual Conference, res.country(233,)</i></p> <p>Citations: N/A</p> <p>DOI: Nil</p>	2020
<p>Modeling and Parametric Study of Large Diameter Shallow Bore Helical Ground Heat Exchanger</p> <p><i>Antash Najib Angelo Zarrella Vinod Narayanan Peter Grant Curtis Harington Rachel Larson</i></p> <p><i>2019 ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers) , res.country(233,)</i></p> <p>Citations: N/A</p> <p>DOI: Nil</p>	2019

Editorial Activities

<p>Journal of the Brazilian Society of Mechanical Sciences and Engineering (BMSE)</p> <p>Reviewed Papers for Journals</p> <p>Impact Factor: 2.2</p>	2023
<p>Journal of Thermal Engineering Derigs</p> <p>Reviewed Papers for Journals</p> <p>Impact Factor: 1.1</p>	2023
<p>Reviewed Papers for Journals</p> <p>Impact Factor: 1.47</p>	2021