Antash Najib

Assistant Professor

Pakistan Navy Engineering College

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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 2015 - 2020
University of California, Davis , United States

MSc in Energy Systems 2012 - 2014
NED UET Karachi , Pakistan

BSc in Mech Engg 2008 - 2001
NED UET Karachi , Pakistan

Experience

Assistant Professor 2022- Present
Pakistan Navy Engineering College

Assistant Professor 2021 - 2022
Pakistan Navy Engineering College

PostDoc 2020 - 2020
University of California Davis , One Shield Avenue

Graduate Student Researcher 2016 - 2020
University of California Devis , University of California Devis, USA

Deputy Manager 2015 - 2016
K-Electric Limited , K-Electric Limited, Karachi

Mechanical Design Engineer 2013 - 2015
Himark Biogas , Himark Biogas, Karachi

Graduate Trainee 2011 - 2012
ENI Oils & Gas , 5th Floor THE FORUM Clifton

Research Articles

Identification of critical success factors (CSFs) for successful project management in manufacturing sector 2024

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

Evaluation of the influence of dissolved nitrates on corrosion behaviour of ship structural steel exposed to seawater environment 2024

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

Health monitoring of CNC machining processes using machine learning and wavelet packet transform 2024

Abbas Hussain Taha Al Muhammadee 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

Techno-economic analysis of incorporating up to 20% of wetland for the installation of a photovoltaic powerplant 2023
Shehzadi Bushra Javeed Syed Aqueel shah Antash Najib Eylia Abbas Jafri Shaheryar Atta Khan
Sustainable Energy Technologies and Assessments, Volume 57, Article Number 103212
Impact Factor: 8.0 | **Quartile:** 1 | **Citations:** 2
DOI: 10.1016/j.seta.2023.103212

Modeling, design optimization and field testing of a solar still with corrugated absorber plate and phase change material for Karachi weather conditions 2022
Hamza Ahmed Antash Najib Asad Ali Zaidi Muhammad Nihal Naseer Bumjoo Kim
Energy Reports , Volume 8, Pages 11530-11546
Impact Factor: 4.937 | **Quartile:** 2 | **Citations:** 18
DOI: https://doi.org/10.1016/j.egyr.2022.08.276

Comparative molecular dynamics simulations of thermal conductivities of aqueous and hydrocarbon nanofluids 2022
Adil Loya Antash Najib Fahad Aziz Asif Khan Guogang Ren Kun Luo
Beilstein Journal of Nanotechnology, Volume 13, Pages 620-628
Impact Factor: 3.272 | **Quartile:** 2 | **Citations:** 7
DOI: https://doi.org/10.3762/bjnano.13.54

Development of g-functions for large diameter shallow bore helical ground heat exchangers 2022
Antash Najib Angelo Zarrella Vinod Narayanan
Applied Thermal Engineering, Volume 200, Article Number 117620
Impact Factor: 6.4 | **Quartile:** 1 | **Citations:** 4
DOI: 10.1016/j.applthermaleng.2021.117620

Techno-economic parametric analysis of large diameter shallow ground heat exchanger in California climates 2020
Antash Najib Angelo Zarrella Vinod Narayanan Richard Bourne Curtis Harington
Energy and Buildings , Volume 228, Article Number 110444
Impact Factor: 5.879 | **Quartile:** 1 | **Citations:** 15
DOI: https://doi.org/10.1016/j.enbuild.2020.110444

A revised capacitance resistance model for large diameter shallow bore ground heat exchanger 2019
Vinod Narayanan Peter Grant Antash Najib Curtis Harrington Angelo Zarrella
Applied Thermal Engineering, Volume 162, Article Number 114305
Impact Factor: 4.725 | **Quartile:** 1 | **Citations:** 15
DOI: https://doi.org/10.1016/j.applthermaleng.2019.114305

Analysis of Fluid Patterns in Cylinderical Vessels of Anaerobic Digester using CFD 2019
Antash Najib Muhammad Shakaib Ehtesham ul Haque
Jurnal Kejuruteraan , Volume 31(2), Pages 201-208
Impact Factor: N/A
DOI: 10.17576/jkukm-2019-31(2)-03

Conference Proceedings

Vibration-Induced Degasification of Trapped Gas from The Liquids: Low-Cost Solution 2024

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

Ground-source direct radiant cooling system using existing overhead and underground water storage tanks for South Asian weather 2024

Dr. Antash Najib Ahmed Memon

10th International Conference on Advances in Environment Research (ICAER 2024), res.country(113,)

Citations: N/A

DOI: https://ijesd.org/

Machine-learning-based models for predicting the performance of Ground-source heat pumps using experimental data from a residential Smart Home in California. 2022

Antash Najib Abbas Hussain Sreenidhi Krishnamoorthy

International Ground Source Heat Pump Association, res.country(233,)

Citations: N/A

DOI: 10.22488/okstate.22.000039

Field Tests of Large Diameter Shallow Bore Helical Ground Heat Exchanger with Simulated Heating Loads 2020

Antash Najib Michael Slater David Springer Angelo Zarrella Vinod Narayanan Curtis Harrington

2020 ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers) Annual Conference, res.country(233,)

Citations: N/A

DOI: Nill

Modeling and Parametric Study of Large Diameter Shallow Bore Helical Ground Heat Exchanger 2019

Antash Najib Angelo Zarrella Vinod Narayanan Peter Grant Curtis Harington Rachel Larson

2019 ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers), res.country(233,)

Citations: N/A

DOI: Nil

Editorial Activities

Journal of the Brazilian Society of Mechanical Sciences and Engineering (BMSE) 2023

Reviewed Papers for Journals

Impact Factor: 2.2

Journal of Thermal Engineering Derigs 2023

Reviewed Papers for Journals

Impact Factor: 1.1

2021

Reviewed Papers for Journals

Impact Factor: 1.47