

Asif Mansoor

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About

Dr. Asif Mansoor is working as Associate Professor in the Pakistan Navy Engineering College. Dr. Asif Mansoor has a PhD in Computational Fluid Dynamics, Stochastics Modeling. Dr. Asif Mansoor has published 35 research articles & conference papers having a citation count of 173, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Computational Fluid Dynamics, Stochastics Modeling University of Karachi , Pakistan	2005 - 2010
B.Ed in Applied Mathematics Islamia University of Bahawalpur , Pakistan	1991 - 1992
MSc in Applied Mathematics BZU, Multan , Pakistan. (Duplicate)	1987 - 1989
BSc in Math, Physics Islamia University of Bahawalpur , Pakistan	1984 - 1986

Experience

Associate Professor Pakistan Navy Engineering College	2022- Present
Assistant Professor Pakistan Navy Engineering College	2017 - 2022
Assistant Professor Pakistan Navy Engineering College , Pakistan Navy Engineering College, Karachi	2009 - 2017
Assistant Professor University of Karachi , Department of Mathematics, University of Karachi, Karachi	2004 - 2009
Assistant Professor Pakistan Naval Academy , Pakistan Naval Academy, Manora Karachi	1998 - 2004
Lecturer PNS KARSAZ, Karachi , PNS KARSAZ Shahrah-e-Faisal , Karachi	1997 - 1998
Lecturer Pakistan Navy , PNS HIMALAYA, Karachi	1993 - 1997

Professional Memberships

NA

Research Articles

A unique statistical framework to predict the health of a machine by utilizing the vibration features of rolling element bearing data	2025
<i>Saima Bhatti Fozia Shaikh Asif Mansoor Asif Ali Shaikh</i>	
<i>Mehran University Research Journal of Engineering and Technology</i> , Volume 44(3), Pages 37-41	
Impact Factor: 0.700 Quartile: 3	
DOI: https://doi.org/10.22581/muet1982.0166	

Optimization of a Geothermal Multi-Generation Energy System: Energy, Exergy and Cost for Use in Coastal and Tropical Environments <i>Asif Mansoor Muhammad A.M. Abdulmannan Zaeem Shabbir Behzad Ahmed Zai Najam us Saqib</i> <i>Journal of Maritime Research</i> , Volume XXI, No. III, Pages 199-208 Impact Factor: N/A Quartile: 2 DOI: https://orcid.org/0000-0002-8592-7213	2024
Characterization and Development of Ceramics with Inorganic Additives <i>Mirza Awais Arif Asif Mansoor Imran Shah Murtaza Hussain Muhammad Asif</i> <i>Inventions</i> , Volume: 9, Issue: 6, Article Number: 121, Pages:14 Impact Factor: 2.1 Quartile: 2 DOI: https://doi.org/10.3390/inventions9060121	2024
Extraction and classification of vibration features of rolling element bearing with increasing the rotational speed <i>Saima Bhatti Asif Ali Shaikh Asif Mansoor Ramsha Shaikh</i> <i>Mehran University Research Journal of Engineering and Technology</i> , Volume 43(4), Pages 182-191 Impact Factor: 0.600 Quartile: 3 DOI: https://doi.org/10.22581/muet1982.3281	2024
New Approaches of Stochastic Models to Examine the Vibration Features in Roller Bearings <i>Saima Bhatti Asif Ali Shaikh Asif Mansoor Murtaza Hussain</i> <i>Applied Sciences</i> , Volume 14(4), Article Number 1616 Impact Factor: 2.7 Quartile: 2 DOI: 10.3390/app14041616	2024
Damage quantification of a metallic beam under thermo-mechanical loads using novel empirical correlations and neural network <i>Behzad Ahmed Zai Asif Mansoor Jahanzeb Javed Najam Us Saqib</i> <i>Noise and Vibration Worldwide</i> , Volume 55, Issue 1-2, Pages 68-83 Impact Factor: N/A Citations: 2 DOI: 10.1177/09574565231222616	2024
Numerical Estimation and Validation of Drag Force for KCS Hull using STAR CCM+ <i>Obaid Ullah Khan Zeeshan Riaz Asif Mansoor Behzad Ahmed Zai Najam us Saqib</i> <i>Journal of Maritime Research</i> , Volume XX, No. III, Pages 46-50 Impact Factor: N/A DOI: https://www.jmr.unican.es/index.php/jmr/article/view/728	2023
Vibration Analysis Approach to Model Incremental Wear and Associated Sound in Multi-Contact Sliding Friction Mechanisms <i>Kanza Basit Hamza Shams Muhammad Ali Khan Asif Mansoor</i> <i>Journal of Tribology</i> , Volume 145(9), Article Number 091109 Impact Factor: 2.5 Quartile: 3 Citations: 7 DOI: https://doi.org/10.1115/1.4062720	2023
An Empirical and Numerical Approach to Evaluate Submarine Resistance in Fully Submerged Configuration with Experimental validation <i>Muhammad Asad Asif Mansoor Behzad Ahmed Zai Murtaza Hussain Najam us Saqib</i> <i>Journal of Maritime Research</i> , Vol XX. No. II, Pages 42-51 Impact Factor: N/A DOI: https://www.jmr.unican.es/index.php/jmr/article/view/713	2023
Virtual Captive Model tests for Maneuvering Prediction <i>Obaid Ullah Khan Asif Mansoor Behzad Ahmed Zai Murtaza Hussain Najam us Saqib Tariq Jamil</i> <i>Journal of Maritime Research</i> , Volume 19, No. 3, Pages 47-51 Impact Factor: N/A DOI: https://www.jmr.unican.es/index.php/jmr/article/view/661	2022
Structural Performance of Fusion Weld Based on Weld Parameters and Strain Rate in High-Density Polyethylene <i>Ahmed Faraz Behzad Ahmed Zai Salman Nisar Asif Mansoor Rashid Ali</i> <i>Journal of Testing and Evaluation</i> , Pages 1-18 Impact Factor: 1.264 Quartile: 3 Citations: 1 DOI: https://doi.org/10.1520/JTE20210139	2021

- Scalable wear resistant 3D printed slippery liquid infused porous surfaces (SLIPS)** 2021
Hamza Shams Kanza Basit Muhammad Ali Khan Asif Mansoor Sajid Saleem
Additive Manufacturing, Volume 8, Part A, Article Number 102379
Impact Factor: 10.998 | **Quartile:** 1 | **Citations:** 19
DOI: <https://doi.org/10.1016/j.addma.2021.102379>
- Investigation the fault in a Rotating Machine by Utilizing Vibration Technique** 2021
S Bhatti Asif Shaikh NUST-PNEC W Shaikh
Sindh University Research Journal- Science Series, Volume 53 (03), Pages 257- 264
Impact Factor: -
DOI: <https://sujo.usindh.edu.pk/index.php/SURJ/article/view/4033>
- Measurement of Structural Performance of Fusion Weld with Change of Welding Parameters in High-Density Polyethylene** 2021
Ahmed Faraz Behzad Ahmed Zai Salman Nisar Asif Mansoor Ali Rashid
Journal of Testing and Evaluation, Volume 49, Pages 1-14
Impact Factor: 1.333 | **Quartile:** 3
DOI: <https://doi.org/10.1520/JTE20200273>.
- Some New Results on Controllability and Observability for Impulsive Dynamic Systems** 2021
Asif Mansoor Safia Mirza Awais Younus
Jordan Journal of Mathematics and Statistics, Volume 14(1), Pages 43-72
Impact Factor: -
DOI: <https://journals.yu.edu.jo/jjms/Vol14No1Contents2021.html>
- Realizing surface amphiphobicity using 3D printing techniques: A critical move towards manufacturing low-cost reentrant geometries** 2021
Hamza Shams Muhammad Ali Khan Sajid Saleem Asif Mansoor Kanza Basit
Additive Manufacturing, Volume 38, Article Number 101777
Impact Factor: 10.998 | **Quartile:** 1 | **Citations:** 19
DOI: <https://doi.org/10.1016/j.addma.2020.101777>
- Constraint Cycles in Quadratic Framework with Their Properties** 2020
Safia Mirza Asif Mansoor Talat Sharaft Rehmani Saima Bhatti
Sind University Research Journal (Science Series), Volume 52(04), Pages 375-380
Impact Factor: 0
DOI: <http://doi.org/10.26692/sujo/2020.12.56>
- Neural Network Implementations on the coastal water quality of Manora channel for the years 1996 to 2014** 2020
Sidra Ghayas Junaid Sagheer Siddiquie Suboohi Safdar Asif Mansoor
International Journal of Circuits, Systems and Signal Processing, Volume 14, Pages 996-1004
Impact Factor: 0 | **Citations:** 3
DOI: DOI: 10.46300/9106.2020.14.127
- Controllability and Observability of linear impulsive adjoint dynamic system on Time Scale** 2020
Nusrat Yasmin Safia Mirza Awais Younus Asif Mansoor
Tamkang Journal of Mathematics, Volume 51, Number 3, Pages 201-217
Impact Factor: - | **Citations:** 3
DOI: <https://doi.org/10.5556/j.tjkm.51.2020.2951>
- Deep Learning Algorithm for Brain Computer Interface** 2020
Noreen Jamil M. Asif Naeem Asif Mansoor Muhammad Waleed Usman
Scientific Programming, Volume 2020, Article ID 5762149, 12 pages
Impact Factor: 1.025 | **Quartile:** 4 | **Citations:** 21
DOI: <https://doi.org/10.1155/2020/5762149>
- A Novel approach for damage quantification using the dynamic response of a metallic beam under thermo-mechanical loads** 2020
BEHZAD AHMED ZAI MUHAMMAD ALI KHAN Kamran Ahmed Khan BEHZAD AHMED ZAI MUHAMMAD ALI KHAN Kamran Ahmed Khan Asif Mansoor
Journal of Sound and Vibration, Volume 469, Article Number 115134
Impact Factor: 3.655 | **Quartile:** 1 | **Citations:** 26
DOI: <https://doi.org/10.1016/j.jsv.2019.115134>

An Application of Principal Component Analysis for the Temporal Variations in Water Quality Data of Manora Channel: Karachi

2019

Sidrah Ghayas Junaid Sagheer Siddiquie Suboohi Safdar Asif Mansoor Sidrah Ghayas Junaid Sagheer Siddiquie Suboohi Safdar
International Journal of Computer Science and Network Security , Volume: 19, Issue: 5, Pages: 1-8

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Prediction of Crack Depth and Fatigue Life of an Acrylonitrile Butadiene Styrene Cantilever Beam Using Dynamic Response

2019

Behzad Ahmed Zai Muhammad Ali Khan Sohaib Zia Khan Muhammad Asif Kamran Ahmed Khan Ahmed N Saquid Asif Mansoor Majid Shahzad Ahmed Mujtaba

Journal of Testing and Evaluation, Volume 48, No. 2, Pages 1-18

Impact Factor: 0.877 | **Quartile:** 4 | **Citations:** 29

DOI: <https://doi.org/10.1520/JTE20180674>

Instant dynamic response measurements for crack monitoring in metallic beams

2019

Behzad Ahmed Zai Muhammad Ali Khan Asif Mansoor Sohaib Zia Khan Kamran Ahmed Khan
Insight- Non-Destructive Testing and Condition Monitoring, Volume 61, Issue 4, Pages 222-229

Impact Factor: 0.783 | **Quartile:** 4 | **Citations:** 13

DOI: 10.1784/insi.2019.61.4.222

Bearing Degradation Prognosis Using Structural Break Classifier

2018

Murtaza Hussain Asif Mansoor Shafiq-ur-Rehman Qureshi Salman Nisar
Mechanika , Volume: 24, Issue: 4, Pages 456-461

Impact Factor: 0.500 | **Quartile:** 4 | **Citations:** 1

DOI: <https://doi.org/10.5755/j01.mech.4.24.20740>

Machinery Health Prognosis - Data Driven Approach Using Threshold Regression

2018

Murtaza Hussain Asif Mansoor Abdul Sattar Soomro Mushtaq Hussain
Sindh University Research Journal (Science Series) , Vol.50 (01), Pages159-164

Impact Factor: -

DOI: <http://doi.org/10.26692/sujo/2018.1.0028>

Exact Solutions of Steady Plane Flows of an Incompressible Fluid of Variable Viscosity in The Presence of Unknown External Force Using (ϵ, ψ) – or (η, ψ) -Coordinates

2009

Rana Khalid Naeem Asif Mansoor Waseem Ahmed Khan
Thai Journal of Mathematics, Volume 7, Number 2, Pages 259–284

Impact Factor: 0

DOI: <http://thaijmath.in.cmu.ac.th/index.php/thaijmath/article/view/125>

Conference Proceedings

- Hullform Design, Optimization and Controllability of a Small Waterplane Area Twin Hull (SWATH)** 2022
Adil Hassan Zeeshan Riaz Naveed.Ali Dr Asif Mansoor Muhammad Asif
2022 19th International Bhurban Conference on Applied Sciences and Technology (IBCAST), res.country(177,)
Citations: 1
DOI: 10.1109/IBCAST54850.2022.9990483
- An Empirical and Numerical Approach to Develop a Single and Multi-phase CFD Methodology for submarines and ship** 2021
Muhammad Asad Asif Mansoor Zeeshan Riaz Murtaza Hussain
18th International Bhurban Conference on Applied Sciences & Technology (IBCAST), res.country(177,)
Citations: N/A
DOI: <http://www.ibcast.org.pk/>
- Wear Behavior of 3D Printed PLA Surfaces for Superhydrophobic Interaction** 2020
Hamza Shams Kanza Basit Muhammad A. Khan Asif Mansoor
TESConf 2020 - 9th International Conference on Through-life Engineering Services, res.country(233,)
Citations: N/A
DOI: <http://dx.doi.org/10.2139/ssrn.3717991>
- Empirical Modelling of Frictional Noise and Two-Point Contact using Ball-On-Disc Tribometer** 2020
Kanza Basit Hamza Shams Muhammad A. Khan Asif Mansoor
9th International Conference on Through-life Engineering Service, Cranfield UK, res.country(231,)
Citations: N/A
DOI: <http://dx.doi.org/10.2139/ssrn.3717985>
- Effects of Varying Peak Shape on Aerodynamic Performance of a Corrugated Airfoil** 2020
Zaeem Shabbir Hassan R. Shah Asif Mansoor Syed M. Tayyab Anwar Ahmed
AIAA Scitech 2020 Forum, res.country(233,)
Citations: N/A
DOI: 10.2514/6.2020-2220

Book Chapters

- Energy management in gas distribution networks** 2025
Murtaza Hussain Asif Mansoor Syed Ahsan Ali
In: *Comprehensive Energy Systems (Second Edition)*, 2nd Edition, Volume 10, Pages 370-402
Citations: N/A
DOI: <https://doi.org/10.1016/B978-0-44-313219-3.00190-8>
- Machine learning in energy management** 2025
Murtaza Hussain Asif Mansoor S. Mujtaba Hussain Kazmi
In: *Comprehensive Energy Systems*, 2nd Edition, Volume 10, Pages 650-687
Citations: N/A
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