

Khalid Akhtar

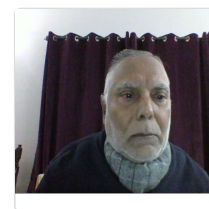
Associate Professor

School of Mechanical & Manufacturing Engineering

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About

Dr. Khalid Akhtar is working as Associate Professor in the School of Mechanical & Manufacturing Engineering. Dr. Khalid Akhtar has a PhD in Industrial Manufacturing. Dr. Khalid Akhtar has published 25 research articles & conference papers having a citation count of 199, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Industrial Manufacturing Asian Institute of Technology , Thailand	1991 - 1994
MS in Manufacturing Cranfield University , United Kingdom	1985 - 1987
BE in Production UET Lahore , Pakistan	1978 - 1982

Experience

Associate Professor School of Mechanical & Manufacturing Engineering	2022- Present
Associate Professor School of Mechanical & Manufacturing Engineering	2022 - 2022
Associate Professor School of Mechanical & Manufacturing Engineering	2021 - 2021
Associate Professor School of Mechanical & Manufacturing Engineering	2013 - 2021
Associate Professor School of Mechanical & Manufacturing Engineering	2011 - 2011
Associate Professor School of Mechanical & Manufacturing Engineering	2007 - 2011
Adjunct Professor UET Taxilla , Taxilla, Pakistan	2012 - 2013
Associate Professor IIU Islamabad , H 10, Islamabad	2011 - 2012
Associate Professor NUST , H-12, Islamabad	2007 - 2011
Associate Professor IQRA University , Islamabad, Pakistan	2006 - 2007
Associate Professor Bahria University , E 8, Islamabad	2000 - 2006
Assistant Professor GIKI , TOPI, Swabi, KPK	1998 - 2000

Research Articles

- Friction and Wear Performance Evaluation of Bio-Lubricants and DLC Coatings on Cam/Tappet Interface of Internal Combustion Engines** 2021
Rehan Zahid Muhammad Usman Bhutta Riaz Ahmad Mufti Muhammad Usman Abdullah Haji Hassan Masjuki Mahendra Varman Muhammad Abul Kalam Mian Ashfaq Ali Jawad Aslam Khalid Akhtar
Materials , Volume 14(23), Article Number 7206
Impact Factor: 3.623 | **Quartile:** 1 | **Citations:** 7
DOI: <https://doi.org/10.3390/ma14237206>
- Sustainability of Project-Based Learning by Incorporating Transdisciplinary Design in Fabrication of Hydraulic Robot Arm** 2021
Taha Farid Sara Baber Sial Muhammad Sajid Khalid Akhtar
Sustainability , Volume 13(14), Article Number 7949
Impact Factor: 3.889 | **Quartile:** 3 | **Citations:** 5
DOI: <https://doi.org/10.3390/su13147949>
- Performance prediction of a two-bed solar-powered adsorption chiller with heat and mass recovery cycles and adaptive cycle time – A first step towards the design of fully autonomous commercial-scale adsorption chillers** 2021
Najam ul Qadir Z.Y. Xu Q.W. Pan S.A.M. Said R.B. Mansour Khalid Akhtar
Applied Thermal Engineering , Volume 192, Article Number 116950
Impact Factor: 6.465 | **Quartile:** 1 | **Citations:** 10
DOI: <https://doi.org/10.1016/j.applthermaleng.2021.116950>
- Numerical investigation of hydrodynamic and hydro-acoustic performance of underwater propeller operating in off-design flow conditions** 2020
Muhammad Rehan Naseer Emad Uddin Aamir Mubashar Muhammad Sajid Zaib Ali Khalid Akhtar
Journal of Marine Engineering and Technology , Pages 1-10
Impact Factor: 3.192 | **Quartile:** 1 | **Citations:** 4
DOI: <https://doi.org/10.1080/20464177.2020.1865250>
- Proximal Actuation of an Elastically Loaded Scissors Mechanism for the Leg Design of a Quadruped Robot** 2020
Muhammad Hamza Asif Nizami Zaid Ahsan Shah Yasar Ayaz Muhammad Jawad Khan Sara Baber Sial Muhammad Naveed Khalid Akhtar Darren Dancey Raheel Nawaz
IEEE Access , Volume 8, Pages 208240-208252
Impact Factor: 3.367 | **Quartile:** 2 | **Citations:** 12
DOI: [10.1109/ACCESS.2020.3037250](https://doi.org/10.1109/ACCESS.2020.3037250)
- Pyrazinamide resistance of novel mutations in pncA and their dynamic behavior** 2020
Arif Ali Muhammad Tahir Khan Abbas Khan Sajid Ali Sathishkumar Chinnasamy Khalid Akhtar Athar Shafiq Dong-Qing Wei
RSC Advances , Volume 10, Issue 58, Pages 35565-35573
Impact Factor: 3.361 | **Quartile:** 2 | **Citations:** 11
DOI: [10.1039/d0ra06072k](https://doi.org/10.1039/d0ra06072k)
- SARS-CoV-2 nucleocapsid and Nsp3 binding: an in silico study** 2020
Muhammad Tahir Khan Muhammad Tariq Zeb Hina Ahsan Abrar Ahmed Arif Ali Khalid Akhtar Shaukat Iqbal Malik Zhilei Cui Sajid Ali Anwar Sheed Khan Manzoor Ahmad Dong-King Muhammad Irfan
Archives of Microbiology , Pages 1-8
Impact Factor: 2.552 | **Quartile:** 3 | **Citations:** 40
DOI: <https://doi.org/10.1007/s00203-020-01998-6>
- Influence of Principal Component Analysis as a Data Conditioning Approach for Training Multilayer Feedforward Neural Networks with Exact Form of Levenberg-Marquardt Algorithm** 2020
Najam ul Qadir Md. Rafiul Hassan Khalid Akhtar
Global Journal of Technology and Optimization , Volume 11(1), Article Number 239
Impact Factor: 0
DOI: [10.37421/gjto.2020.11.239](https://doi.org/10.37421/gjto.2020.11.239)
- Experimental investigation of energy harvesting behind a bluff body** 2020
Usman Latif Emad Uddin Chaudhary Abdullah Zaib Ali Muhammad Sajid Khalid Akhtar Samiur Rehman Shah
Journal of Renewable and Sustainable Energy , Volume 12, Issue 3, Article Number:033301
Impact Factor: 2.219 | **Quartile:** 4 | **Citations:** 17
DOI: <https://doi.org/10.1063/1.5144347>

Structural and free energy landscape of novel mutations in ribosomal protein S1 (rpsA) associated with pyrazinamide resistance. <i>M Tahir Khan Abbas Khan Ashfaq Ur Rehman Yanjie Wang Khalid Akhtar Shaukat Iqbal Malik Dong-Qing Wei</i> <i>Scientific Reports</i> , Volume: 9 Article Number: 7482, Published: MAY 16 2019 Impact Factor: 3.998 Quartile: 1 Citations: 68 DOI: 10.1038/s41598-019-44013-9	2019
De-Novo Ligand Design against Mutated Huntington Gene by LigandBased Pharmacophore Modeling Approach <i>Anum Munir Shaukat Iqbal Malik Khalid Akhtar</i> <i>Current Computer-Aided Drug Design</i> , Volume 14, Pages 1-10 Impact Factor: 1.200 Quartile: 4 Citations: 1 DOI: 10.2174/1573409915666181207104437	2018
Proteome Mining for the Identification of Putative Drug Targets For Human Pathogen Clostridium Tetani <i>Anum Munir Shaukat Iqbal Malik Khalid Akhtar</i> <i>Current Bioinformatics</i> , NULL Impact Factor: 1.189 Quartile: 4 Citations: 18 DOI: 10.2174/1574893613666181114095736	2018
Medicinal Plants are Effective Inhibitors of Type I And II Diabetes <i>Anum Munir Shaukat Iqbal Malik Sehar Aslam Azhar Mehmood Saeed Amjad Muhammad Younis Abbas Husain Shah G. Mujtaba Shah Khalid Akhtar</i> <i>Pharmacophore</i> , NULL Impact Factor: 0 DOI: http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=5&SID=F4IZ2esRaZsDz6oghuT&page=1&doc=7	2018
An Analytical Hierarchy Process Based Evaluation ff Global Facility location Methodologies <i>Mirza Jahanzaib Amir Sultan Hafiz Muhammad Khurram Khalid Akhtar</i> <i>Journal of Advanced Research in Dynamical and Control Systems</i> , Vol. 10, No. 6, Pages 23-28 Impact Factor: 0 DOI: http://www.jardcs.org/abstract.php?archiveid=4735	2018
Performance Analysis of Process Parameters Effecting the Automated Assembly System <i>Mirza Jahanzaib Syed Athar Masood Khalid Akhtar Fahad Al Mufadi</i> <i>Life Science Journal</i> , Volume 10, Issue 1, Pages 64-68, March 2013 Impact Factor: 0 DOI: http://www.lifesciencesite.com . 10	2013
Managing Competitiveness using Production Volumes - Product Variety Model for Automobile Industry <i>Mirza Jahanzaib Syed Athar Masood Khalid Akhtar Khurram Ali</i> <i>Life Science Journal</i> , Vol 10, issue 4s, Pages 202-208 Impact Factor: 0 DOI: http://www.lifesciencesite.com . 30	2013
Key Performance Indicators Prioritization in Whole Business Process: A Case of Manufacturing Industry <i>Syed Athar Masood Mirza Jahanzaib Khalid Akhtar</i> <i>Life Science Journal</i> , Volume 10, Issue 4s, Pages 195-201 Impact Factor: 0 DOI: http://www.lifesciencesite.com . 29	2013
Improvement in Subsisted Product Delivery Process of Manufacturing Organization using Concurrent Engineering <i>Mirza Jahanzaib Syed Athar Masood Khalid Akhtar Talat Aslam</i> <i>Life Science Journal</i> , Vol 10, Issue 4s: pps 185-194 Impact Factor: 0 DOI: http://www.lifesciencesite.com . 28	2013
Product design variables optimization using Design for six sigma (DFSS) approach <i>Mirza Jahanzaib Omer Jamil Khalid Akhtar Syed Athar Masood</i> <i>Life Science Journal</i> , Volume 10, Issue 1, Pages 57-63 Impact Factor: 0 DOI: http://www.lifesciencesite.com , doi:10.7537/marslsj100113.09	2013

- Application of Genetic Algorithm (GA) approach in the formation of manufacturing cells for group technology** 2012
Mirza Jahanzaib Syed Athar Masood Shahid Nadeem Khalid Akhtar Muhammad Shahbaz
Life Science Journal, Life Science Journal, ISSN:1097-8135, Volume 9, Issue 4, Pages 799-809
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DOI: <http://www.lifesciencesite.com>. 125
- A study for analyzing effects of design parameters in the sand casting process of aluminum alloy** 2012
Mirza Jahanzaib Syed Athar Masood Khalid Akhtar Muhammad Shahbaz
Life Science Journal, Volume 9, Issue 4, Pages 891-898
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- Do actions speak louder than words? An empirical investigation in terms of organizational performance in manufacturing organizations.** 2012
Syed Athar Masood Mirza Jahanzaib2, Khalid Akhtar Muhammad Shahbaz
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- Comparative homology modeling of human rhodopsin with several templates of bovine rhodopsin** 2012
Shagufta Kanwal Sumaira Nishat Muhammad Irfan Khan Shaukat Iqbal Malik Khalid Akhtar
African Journal of Biotechnology, Volume 11(2), Pages 466-473
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DOI: 10.5897/AJB11.167
- Technology Driven Manufacturing Strategy Using Machine Automation Cost in Discrete Part Manufacturing** 2007
Mirza Jahanzaib Khalid Akhtar
Kuwait Journal of Science and Engineering (KJSE), Volume: 34 Issue: 2B Pages: 207-224
Impact Factor: 0.159 | **Quartile:** 4
DOI: <http://pubbcouncil.kuniv.edu.kw/kjs/home.aspx?id=8&Roo t=yes>
- A framework for manufacturing strategy analysis in the wake of reducing product life-cycles: A case of a multinational in a newly industrializing country** 1993
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Impact Factor: N/A | **Citations:** 6
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