Riaz Ahmad Khan

Assistant Professor

School of Mechanical & Manufacturing Engineering

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About

Dr. Riaz Ahmad Khan is working as Assistant Professor in the School of Mechanical & Manufacturing Engineering. Dr. Riaz Ahmad Khan has a PhD in Applied Mathematics (Elastodynamics). Dr. Riaz Ahmad Khan has published 14 research articles & conference papers having a citation count of 59, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Applied Mathematics (Elastodynamics)   2005 - 2012
  NUST, Islamabad , Pakistan

MPhil in Applied Mathematics   2005 - 2006
  NUST, Islamabad , Pakistan

MSc in Mathematics   2002 - 2004
  Quaid-i-Azam University , Pakistan

BSc in Mathematics And Physics   1999 - 2001
  University of Peshawar , Pakistan

Experience

Assistant Professor   2025- Present
  School of Mechanical & Manufacturing Engineering

Assistant Professor   2019 - 2019
  School of Mechanical & Manufacturing Engineering

Assistant Professor   2016 - 2019
  School of Mechanical & Manufacturing Engineering

Assistant Professor   2012 - 2016
  School of Mechanical & Manufacturing Engineering

Awards

SMME-Best teacher 2019-20   2020
  SMME Best teacher Award for the academic year 2019-20

Research Articles

Heat transfer in MHD thin film flow with concentration using lie point symmetry approach   2023
  Muhammad Safdar Safia Taj Riaz Ahmad Khan Ghani Khan Ilyas khan Sayed M Eldin Reham A. Alahmadi
  Case Studies in Thermal Engineering , Volume 49, Article Number 103238
  Impact Factor: 6.8 | **Quartile:** 1 | **Citations:** 17
  DOI: https://doi.org/10.1016/j.csite.2023.103238

Analytic similarity solutions for fully resolved unsteady laminar boundary layer flow and heat transfer in the presence of radiation   2023
  Muhammad Bilal Muhammad Safdar Shoaib Ahmed Riaz Ahmad Khan
  Heliyon , Volume 9, Issue 4, Article Number e14765
  Impact Factor: 3.776 | **Quartile:** 2 | **Citations:** 5
  DOI: https://doi.org/10.1016/j.heliyon.2023.e14765

Lie symmetry and exact homotopic solutions of a non-linear double-diffusion problem   2023

Dr Riaz Ahmad Khan Dr Safia Taj Shoaib Ahmed Ilyas Khan Sayed M. Eldin

Frontiers in Physics, Vol:11, Pages:10

Impact Factor: 3.718 | **Quartile:** 2 | **Citations:** 2
DOI: 10.3389/fphy.2023.1150176

Analytic solutions for the MHD flow and heat transfer in a thin liquid film over an unsteady stretching surface with Lie symmetry and homotopy analysis method

2022

Muhammad Safdar Muhammad Ijaz Khan Riaz Ahmed Khan Safia Taj Faizan Abbas Samia Elattar Ahmed M. Galal

Waves in Random and Complex Media, Pages 1-19

Impact Factor: 4.051 | **Quartile:** 2 | **Citations:** 14
DOI: https://doi.org/10.1080/17455030.2022.2073402

MPPT Control Paradigms for PMSG-WECS: A Synergistic Control Strategy With Gain-Scheduled Sliding Mode Observer

2021

Umar Habib Khan Qudrat Khan Laiq Khan Waqar Alam Nihad Ali Ilyas Khan Kottakkaran Sooppy Nisar Riaz Ahmad Khan

IEEE Access, Volume 9, Pages 139876-139887

Impact Factor: 3.476 | **Quartile:** 2
DOI: 10.1109/ACCESS.2021.3119213.

Dynamical features of pine wilt disease through stability, sensitivity and optimal control

2021

Riaz Ahmad Khan Takasar Hussain Muhammad Ozair Fatima Tasneem Muhammad Faizan

Advances in Difference Equations, Volume 2021, Issue 1, Article Number: 261

Impact Factor: 3.761 | **Quartile:** 1 | **Citations:** 4
DOI: https://doi.org/10.1186/s13662-021-03411-y

Bio-inspired Analytical Heuristics to Study pine Wilt Disease Model

2020

Muhammad Ozair Takasar Hussain Aziz Ullah Awan Adnan Aslam Riaz Ahmad Khan Farhad Ali Fatima Tasneem

Scientific Reports, Volume10, Issue 1, Article number: 3534

Impact Factor: 4.380 | **Quartile:** 1 | **Citations:** 9
DOI: 10.1038/s41598-020-60088-1

On the Uniqueness Results and Value Distribution of Meromorphic Mappings

2017

Faiz Ullah Xiao-Min Li Rahman Ullah Hong-Xun Yi Riaz Ahmad Khan

Mathematics, Volume: 5, Issue: 3, Article Number: 42

Impact Factor: N/A | **Citations:** 1
DOI: 10.3390/math5030042

On the Existence of Solutions for Stochastic Differential Equations under G-Brownian Motion

2013

Faiz Ullah Waseem Asghar Khan Muhammad Arif Riaz Ahmad Khan

Life Science Journal, Vol. 10, No 5s, Pages 255-260

Impact Factor: N/A
DOI: http://www.lifesciencesite.com/

Extrema of Young's modulus in hexagonal materials

2012

Faiz Ahmad Riaz Ahmad Khan

Applied Mathematics and Computation, Volume 219, Issue 4, Pages 2260-2266

Impact Factor: 1.349 | **Quartile:** 1 | **Citations:** 2
DOI: 10.1016/j.amc.2012.08.072

Planes and axes of symmetry in an elastic material

2012

Riaz Ahmad Khan Faiz Ahmad

International Journal of Physical Sciences, Volume 7, Issue 8, pages 1141-1149

Impact Factor: N/A
DOI: 10.5897/IJPS11.1692

Eigenvectors of Rotation Matrix

2009

Faiz Ahmad Riaz Ahmad Khan

The Quarterly Journal of Mechanics and Applied Mathematics, Volume 62, Issue 3, Pages 297-310

Impact Factor: 1.073 | **Quartile:** 2 | **Citations:** 5
DOI: 10.1093/qjmam/hbp009

Conference Proceedings

Semi Invariants for Linear Third Order Evolution Equation   2018

Muhammad Safdar Riaz A. Khan Safia Taj

16th International Conference of Numerical Analysis and Applied Mathematics, res.country(88,)

Citations: N/A
DOI: 10.1063/1.5114180

On Differential Invariants of A Class of Generalized Diffusion Equations   2018

Muhammad Safdar Riaz A. Khan safia Taj

International Conference on Numerical Analysis and Applied Mathematics (ICNAAM-2018), res.country(88,)

Citations: N/A
DOI: 10.1063/1.5114179