

Rizwan Riaz

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About

Dr. Rizwan Riaz is working as Pro-Rector (RIC) in the University Main Office (UMO). Dr. Rizwan Riaz has a PhD in Computational Fluid Dynamics. Dr. Rizwan Riaz has published 18 research articles & conference papers having a citation count of 55, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Computational Fluid Dynamics University of Manchester , United Kingdom	2004 - 2008
MS in Computational Aerodynamics NUST, Islamabad , Pakistan	2002 - 2004
BS in Aeronautical Engineering United States Air Force Academy , United States	1986 - 1990

Experience

Pro-Rector (RIC) University Main Office (UMO)	2021- Present
Pro-Rector (RIC) University Main Office (UMO)	2021 - 2021
Principal Research Centre for Modelling & Simulation	2017 - 2021
	- Present

Awards

SI(M)

Research Articles

Investigation of Sustainable Combustion Processes of the Industrial Gas Turbine Injector <i>Adnan Maqsood Rizwan Riaz Hafiz Ali Haider Sehole Ghazanfar Mehdi</i> <i>Processes</i> , Volume 13(4), Article Number 960 Impact Factor: 2.800 Quartile: 2 DOI: https://doi.org/10.3390/pr13040960	2025
Effect of opposing jet on aerodynamic and flight stability characteristics of a generic supersonic slender forebody <i>Adnan Maqsood Shagufta Rashid Fahad Nawaz Shuaib Salamat Rizwan Riaz</i> <i>Journal of Mechanical Science and Technology</i> , Volume 36, Issue 6, Pages 2923-2936 Impact Factor: 1.810 Quartile: 3 Citations: 1 DOI: https://doi.org/10.1007/s12206-022-0524-9	2022
Reinforcement learning-based radar-evasive path planning: a comparative analysis <i>Adnan Maqsood Rizwan Riaz Rana Umair Hameed Ali Javed Hashmi Muhammad Tariq Saeed</i> <i>Aeronautical Journal</i> , Volume 126, Issue 1297, Pages 547-564 Impact Factor: 0.818 Quartile: 4 Citations: 10 DOI: https://doi.org/10.1017/aer.2021.85	2022
Causation of Supersonic Limit Cycle Oscillations in Atmospheric Entry Vehicles	2022

<p>Saima Bukhat Khan Adnan Maqsood Suhail Akhtar Dan Xie Rizwan Riaz <i>AIAA Journal of Spacecraft and Rockets</i>, Pages 1-15 Impact Factor: 1.282 Quartile: 3 Citations: 8 DOI: https://doi.org/10.2514/1.A35211</p>		
<p>Modeling and Analysis of Shock Reduction through Counterflow Plasma Jets Adnan Maqsood Shuaib Salamat Rizwan Riaz Riaz Ahmad Shagufta Rashid Fahad Nawaz Laurent Dala <i>Mathematical Problems in Engineering</i>, Volume 2021, Article ID 5592855, 17 Pages Impact Factor: 1.430 Quartile: 3 Citations: 5 DOI: https://doi.org/10.1155/2021/5592855</p>		2021
<p>Modelling of flight performance benefits for similar and hybrid jet airline formations Rizwan Riaz Adnan Maqsood Muhammad Shakeel Awan Shoaib Sultan <i>International Journal of Sustainable Aviation</i>, Volume 7, No. 1, Pages 46-65 Impact Factor: 0 DOI: https://doi.org/10.1504/IJSA.2021.115333</p>		2021
<p>Computational Aerodynamics Study of Competing Conceptual Designs for Advanced Tactical Fighter Aircraft Adnan Maqsood Rizwan Riaz Shuaib Salamat Waseeq Siddiqui Hassan Naseer Syed Mohsin Zahid <i>Journal of Aerospace Technology and Management</i>, Volume 13, Article Number e2221 Impact Factor: 0 DOI: https://doi.org/10.1590/jatm.v13.1214</p>		2021
<p>Analysis of Generalized Compressor Characteristic on Surge Phenomena in Axial Compressors Adnan Maqsood Rizwan Riaz Laurent Dala Muhammad Kamran Khan Tareen <i>Journal of Computational and Applied Research in Mechanical Engineering</i>, Volume 10, No. 2, Pages 337-344 Impact Factor: 0 Citations: 2 DOI: 10.22061/JCARME.2020.5182.1639</p>		2021
<p>Stability Characteristics of Wing Span and Sweep Morphing for Small Unmanned Air Vehicle: A Mathematical Analysis Hafiz Muhammad Umer Rizwan Riaz Adnan Maqsood Shuaib Salamat <i>Mathematical Problems in Engineering</i>, Volume 2020, Article ID 4838632, 15 pages Impact Factor: 1.305 Quartile: 4 Citations: 18 DOI: https://doi.org/10.1155/2020/4838632</p>		2020
<p>Effect of Haptic Feedback on Pilot/Operator Performance during Flight Simulation Hassam Ahmed Malik Shahzad Rasool Adnan Maqsood Rizwan Riaz <i>Applied Sciences</i>, Volume 10 (11), Article Number 3877 Impact Factor: 2.679 Quartile: 2 Citations: 7 DOI: 10.3390/app10113877</p>		2020
<p>Shock reduction through opposing jets: Aerodynamic performance and flight stability perspectives Rizwan Riaz Fahad Nawaz Shagufta Rashid Adnan Maqsood Shuaib Salamat <i>Applied Sciences</i>, Volume 10, Issue 1, Article Number 180 Impact Factor: 2.474 Quartile: 2 DOI: https://www.mdpi.com/2076-3417/10/1/180</p>		2019
<p>Multiple time scale analysis of pressure oscillations in solid rocket motors Waqas Ahmed Adnan Maqsood Rizwan Riaz <i>Results in Physics</i>, NULL Impact Factor: 3.042 Quartile: 1 Citations: 2 DOI: 10.1016/j.rinp.2018.01.033</p>		2018
<p>Multiple Time Scale Analysis of Pressure Oscillation in Solid Rocket Motors Waqas Ahmed Adnan Maqsood Rizwan Riaz <i>Results in Physics</i>, ISSN:2211-3797, Volume 8, Pages 1068-1075, March 2018, Volume 8, March 2018, Pages , 1068-1075 Impact Factor: 3.042 Quartile: 1 Citations: 2 DOI: https://doi.org/10.1016/j.rinp.2018.01.033</p>		2018

Quantification of Gap Effects on Biplane Micro Air Vehicle using Leading-Edge Suction Analogy

2022

Arooj Fatima Adnan Maqsood Tiauw H. Go Shuaib Salama Rizwan Riaz

AIAA SciTech 2022 Forum, res.country(233,)

Citations: N/A

DOI: <https://doi.org/10.2514/6.2022-0703>

Detached Eddy Simulation of Turbulent Spray Combustion in a Turbo Jet Combustor - Prediction of NOx Concentration

2022

Hafiz Ali Haider Sehole Adnan Maqsood Rizwan Riaz

AIAA SciTech 2022 Forum, res.country(233,)

Citations: N/A

DOI: <https://doi.org/10.2514/6.2022-0487>

Numerical Evaluation of Dynamic Stability Derivatives for High Lift Devices

2021

Hamood Ur Rahman Adnan Maqsood Rizwan Riaz Laurent Dala

32nd Congress of the International Council of the Aeronautical Sciences, res.country(48,)

Citations: N/A

DOI: N/A

Numerical Investigation of Wing Rock Phenomenon on Low Aspect Ratio Rectangular Wings at Low Reynolds Number

2021

Adnan Maqsood Rizwan Riaz Tiauw Hiong Go Aamir Sultan

32nd Congress of the International Council of the Aeronautical Sciences, res.country(48,)

Citations: N/A

DOI: N/A

Two Dimensional Insect Flight Trajectory Tracking and Analysis

2019

Mishma Akhtar Adnan Maqsood Rizwan Riaz

Sixth International Conference on Aerospace Science and Engineering (ICASE), res.country(177,)

Citations: N/A

DOI: 10.1109/ICASE48783.2019.9059114