

Adnan Maqsood

Professor

School of Mechanical & Manufacturing Engineering

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About

Dr. Adnan Maqsood is working as Professor in the School of Mechanical & Manufacturing Engineering. Dr. Adnan Maqsood has a PhD in Flight Mechanics & Control / Aerodynamics. Dr. Adnan Maqsood has published 83 research articles & conference papers having a citation count of 712, carried out 16 projects and filed 0 intellectual property.

Qualifications

PhD in Flight Mechanics & Control / Aerodynamics Nanyang Technological University , Singapore	2007 - 2012
BE in Aerospace Engineering NUST, Islamabad , Pakistan	2001 - 2005

Experience

Professor School of Mechanical & Manufacturing Engineering	2022- Present
Director Academics University Main Office (UMO)	2021 - 2018
Associate Professor Research Centre for Modelling & Simulation	2018 - 2024
Assistant Professor Research Centre for Modelling & Simulation	2012 - 2012
Assistant Professor Research Centre for Modelling & Simulation	2012 - 2005
Demonstrator College of Aeronautical Engineering	2005 - 2021
Research Fellow Nanyang Technological University , Office of Human Resources, Student Services Centre, Level 4, 42 nanyang Avenue, Singapore, 639815	2009 - 2012

Awards

University BEST Teacher	2019
Best Researcher Won Institute Best Researcher Award for year 2018	2018

Professional Memberships

PEC	Since 2017
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Research Projects

National Projects	
Artificial Intelligence-Based Dynamic Clutter Suppression and its Real-Time Implementation on Radar.	2023
Funding Agency: Dte of GBADS - PAF	
Amount: PKR 2,300,000.00	
Status: Approved_inprocess	

Computational Modeling, Static Loading, and Dynamic Behavior Analysis of RADAR Unit	
Funding Agency: PAF and DGMP	
Amount: PKR 2,100,000.00	
Status: Approved_inprocess	
Development of Reinforcement Learning (RL) based Tracking System for Air Defense Radar System	2023
Funding Agency: PAF and DGMP	
Amount: PKR 2,495,700.00	
Status: Approved_inprocess	
Effect of forebody shaping on wing rock phenomena: Aerodynamics and flight stability considerations	2021
Funding Agency: BRAIA, China	
Amount: PKR 1,170,000.00	
Status: Approved_inprocess	
Design of Fins of Armour Piercing Fin Stabilized Discarding sabot (APFSDS) with enhanced penetration	2018
Funding Agency: POF Wah	
Amount: PKR 230,000.00	
Status: Completed	
Flight Dynamic Analysis of Versatile wing Morphing Techniques for UAVs / UCAVs	2018
Funding Agency: PAF	
Amount: PKR 960,000.00	
Status: Approved_inprocess	
Development of a Virtual Reality Training and Testing System for Learning in Complex Domains	2022
Funding Agency: HEC	
Amount: PKR 7,276,000.00	
Status: Completed	
Establishment of NUST Interdisciplinary Research Cluster (NIRC)	2021
Funding Agency: Planning Commission	
Amount: PKR 766,000,000.00	
Status: Approved_inprocess	
Development of Vision-Based Insect Flight Tracking Environment for Flight Performance Estimation of Perching & Prey-Predator Maneuvers	2020
Funding Agency: HEC	
Amount: PKR 11,146,025.00	
Status: Completed	
Estimation of Flight Stability Derivatives of a Preliminary Configuration of Fifth Generation Fighter Aircraft (FGFA) through Computational Fluid Dynamics (CFD)	2019
Funding Agency: PAC, Kamra	
Amount: PKR 800,000.00	
Status: Approved_inprocess	
Generation of Longitudinal Flight Dynamic Stability Derivatives using Computational Fluid Dynamics for JF-17 Thunder Aircraft	2019
Funding Agency: HEC	
Amount: PKR 4,206,000.00	
Status: Completed	
Design of Fins of Armour-Piercing Fin-Stabilized Discarding Sabot (APFSDS) with Enhanced Penetration	2018
Funding Agency: Pakistan Ordnance Factories	
Amount: PKR 230,000.00	
Status: Completed	
Aerodynamic & Flight Stability Assessment of Active Flow Control Technology for Supermaneuvering Fighter Aircraft	2018
Funding Agency: Directorate of Engineering Development, PAF, Pakistan	
Amount: PKR 990,000.00	
Status: Approved_inprocess	
Aerodynamic & Flight Stability Assessment of Active Flow Control Technology for Fifth Generation Fighter Aircraft	2018
Funding Agency: Directorate of Engineering Development, PAF, Pakistan	

Amount: PKR 1,650,000.00
Status: Completed

Development of surrogate models for flight performance estimation of fixed-wing UAVs from Primitive 2018

Geometric data

Funding Agency: PAF
Amount: PKR 960,000.00
Status: Approved_inprocess

Flight Dynamic Analysis of Versatile Wing Morphing Techniques for UAVs/UCAVs 2018

Funding Agency: PAF
Amount: PKR 960,000.00
Status: Completed

International Projects

Research Articles

Artificial Intelligence in UAV Flight Controls: Deep Reinforcement Learning Based Altitude-Hold 2025

Strategies for Fixed-Wing UAVs

Hasan Raza Khanzada Adnan Maqsood Abdul Basit
IEEE Access , Volume:13, Pages 109670-109686
Impact Factor: 3.600 | **Quartile:** 2
DOI: <https://doi.org/10.1109/ACCESS.2025.3581966>

Comparative Evaluation of Reinforcement Learning Algorithms for Multi-Agent Unmanned Aerial 2025

Vehicle Path Planning in 2D and 3D Environments

Adnan Maqsood Mirza Aqib Ali Usama Athar Hasan Raza Khanzada
Drones , Volume 9(6), Article Number 438
Impact Factor: 4.800 | **Quartile:** 1
DOI: 10.3390/drones9060438

Investigation of Sustainable Combustion Processes of the Industrial Gas Turbine Injector 2025

Adnan Maqsood Rizwan Riaz Hafiz Ali Haider Sehole Ghazanfar Mehdi
Processes , Volume 13(4), Article Number 960
Impact Factor: 2.800 | **Quartile:** 2
DOI: <https://doi.org/10.3390/pr13040960>

Effect of geometric variations on the wing rock of blended wing–body aircraft 2025

Waseeq Siddiqu Adnan Maqsood Shuaib Salamat Hongyi Xu Dan Xie
International Journal of Non-Linear Mechanics, Volume:168, Article Number: 104934, Pages:14
Impact Factor: 2.8 | **Quartile:** 2
DOI: <https://doi.org/10.1016/j.ijnonlinmec.2024.104934>

Comparative Analysis of Deep Reinforcement Learning Algorithms for Hover-to-Cruise Transition 2024

Maneuvers of a Tilt-Rotor Unmanned Aerial Vehicle

Adnan Maqsood Mishma Akhtar
Aerospace , Volume 11(12), Article Number 1040
Impact Factor: 2.100 | **Quartile:** 2 | **Citations:** 1
DOI: <https://doi.org/10.3390/aerospace11121040>

A novel computational methodology to design solar radiation absorbing glass 2024

Faraan Fareed Uzma Habib Hafiz Ali Haider Sehole Salma Sherbaz Muhammad Bilal Khan Niazi Adnan Maqsood
Energy and Buildings , Volume:317, Article Number:114358
Impact Factor: 6.6 | **Quartile:** 1
DOI: 10.1016/j.enbuild.2024.114358

Analysis of Visual and Vestibular Information on Motion Sickness in Flight Simulation 2024

Ahmad Javaid Shahzad Rasool Adnan Maqsood
Aerospace , Volume: 11, Issue: 02, Article Number: 139
Impact Factor: 2.6 | **Quartile:** 1 | **Citations:** 3
DOI: 10.3390/aerospace11020139

Prediction of wing rock in fixed wing micro aerial vehicles 2023

Waseeq Siddiqui Aamir Sultan Adnan Maqsood Shuaib Salamat Hongyi Xu Dan Xie
Meccanica , Volume 58, Pages 739-754

Impact Factor: 2.7 Quartile: 2 Citations: 2 DOI: https://doi.org/10.1007/s11012-023-01649-2	
Design exploration and optimization of aerodynamics and radar cross section for a fighter aircraft <i>Zia Ud Din Taj Ahmad Bilal Muhammad Awais Shuaib Salamat Messam Abbas Adnan Maqsood</i> <i>Aerospace Science and Technology</i> , Volume:133, Article Number:108114 Impact Factor: 5.457 Quartile: 1 Citations: 25 DOI: 10.1016/j.ast.2023.108114	2023
Spectral Proper Orthogonal Decomposition Reduced-Order Model for Analysis of Aerothermoelasticity <i>Chunxiu Ji Dan Xie Shihao Zhang Adnan Maqsood</i> <i>AIAA Journal</i> , Volume:61, Issue:2, Page:793-807 Impact Factor: 2.624 Quartile: 2 Citations: 4 DOI: 10.2514/1.J062304	2023
Geometric Optimization of Blunt Bodies with Aerodisk and Opposing Jet for Wave Drag and Heat Reduction <i>Muhammad Hamza Saima Bukhat Khan Adnan Maqsood</i> <i>Aerospace</i> , Volume 9, Issue 12, Article Number 800 Impact Factor: 2.660 Quartile: 1 Citations: 2 DOI: https://doi.org/10.3390/aerospace9120800	2022
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
Modified model free dynamic programming :an augmented approach for unmanned aerial vehicle <i>Adnan Maqsood Muzaffar Habib Adnan Fayyaz Ud Din Suhail Akhtar Imran Mir</i> <i>Applied Intelligence</i> , Pages 1-21 Impact Factor: 5.086 Quartile: 2 Citations: 19 DOI: https://link.springer.com/article/10.1007/s10489-022-03510-7	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
Large Eddy Simulation of the Flow Past a Soccer Ball <i>Sarmad Ittikhar Salma Sherbaz Hafiz Ali Seole Adnan Maqsood Zartasha Mustansar</i> <i>Mathematical Problems in Engineering</i> , Volume 2022, Article ID 3455235, 13 pages Impact Factor: 0 Citations: 2 DOI: 10.1155/2022/3455235	2022
Causation of Supersonic Limit Cycle Oscillations in Atmospheric Entry Vehicles <i>Saima Bukhat Khan Adnan Maqsood Suhail Akhtar Dan Xie Rizwan Riaz</i> <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	2022
A stability perspective of bioinspired unmanned aerial vehicles performing optimal dynamic soaring <i>Adnan Maqsood Imran Mir Sameh A Eisa Haithem Taha Suhail Akhtar Tauqeer Ul Islam</i> <i>Bioinspiration & Biomimetics</i> , Volume 16, Article Number 066010 Impact Factor: 2.956 Quartile: 2 Citations: 34 DOI: https://doi.org/10.1088/1748-3190/ac1918	2021
Modeling and Analysis of Shock Reduction through Counterflow Plasma Jets <i>Adnan Maqsood Shuaib Salamat Rizwan Riaz Riaz Ahmad Shagufta Rashid Fahad Nawaz Laurent Dala</i> <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	2021
Modelling of flight performance benefits for similar and hybrid jet airline formations	2021

Impact Factor: 0

DOI: <https://doi.org/10.1504/IJSA.2021.115333>

Computational Aerodynamics Study of Competing Conceptual Designs for Advanced Tactical Fighter

2021

Aircraft

Adnan Maqsood Rizwan Riaz Shuaib Salamat Waseeq Siddiqui Hassan Naseer Syed Mohsin Zahid

Journal of Aerospace Technology and Management, Volume 13, Article Number e2221

Impact Factor: 0

DOI: <https://doi.org/10.1590/jatm.v13.1214>

On the meshfree particle methods for fluid-structure interaction problems

2021

Farrukh Mazhar Ali Javed Jing Tang Xing Aamer Shahzad Mohtashim Mansoor Adnan Maqsood Syed Irteza Ali Shah Kamran Asim

Engineering Analysis with Boundary Elements, Volume 124, Pages 14-40

Impact Factor: 3.250 | **Quartile:** 1 | **Citations:** 38

DOI: [10.1016/j.enganabound.2020.11.005](https://doi.org/10.1016/j.enganabound.2020.11.005)

Analysis of Generalized Compressor Characteristic on Surge Phenomena in Axial Compressors

2021

Adnan Maqsood Rizwan Riaz Laurent Dala Muhammad Kamran Khan Tareen

Journal of Computational and Applied Research in Mechanical Engineering, Volume 10, No. 2, Pages 337-344

Impact Factor: 0 | **Citations:** 2

DOI: [10.22061/JCARME.2020.5182.1639](https://doi.org/10.22061/JCARME.2020.5182.1639)

Stability Characteristics of Wing Span and Sweep Morphing for Small Unmanned Air Vehicle: A

2020

Mathematical Analysis

Hafiz Muhammad Umer Rizwan Riaz Adnan Maqsood Shuaib Salamat

Mathematical Problems in Engineering, Volume 2020, Article ID 4838632, 15 pages

Impact Factor: 1.305 | **Quartile:** 4 | **Citations:** 18

DOI: <https://doi.org/10.1155/2020/4838632>

Effect of Haptic Feedback on Pilot/Operator Performance during Flight Simulation

2020

Hassam Ahmed Malik Shahzad Rasool Adnan Maqsood Rizwan Riaz

Applied Sciences, Volume 10 (11), Article Number 3877

Impact Factor: 2.679 | **Quartile:** 2 | **Citations:** 7

DOI: [10.3390/app10113877](https://doi.org/10.3390/app10113877)

Design and Optimization of a Diffuser for a Horizontal Axis Hydrokinetic Turbine using Computational Fluid Dynamics based Surrogate Modelling

2020

Waleed Khalid Salma Sherbaz Adnan Maqsood Zamir Hussain

Mechanika, Volume 26(2), Pages 161-170

Impact Factor: 0.597 | **Quartile:** 4 | **Citations:** 7

DOI: <https://doi.org/10.5755/j01.mech.26.2.23511>

Shock reduction through opposing jets: Aerodynamic performance and flight stability perspectives

2019

Rizwan Riaz Fahad Nawaz Shagufta Rashid Adnan Maqsood Shuaib Salamat

Applied Sciences, Volume 10, Issue 1, Article Number 180

Impact Factor: 2.474 | **Quartile:** 2

DOI: <https://www.mdpi.com/2076-3417/10/1/180>

Guidance and control of standoff air-to-surface carrier vehicle

2019

Imran Mir Adnan Maqsood Suhail Akhtar Sameh A. Eisa

The Aeronautical Journal, Volume 123, Issue 1261, Pages 283-309

Impact Factor: 0.663 | **Quartile:** 3 | **Citations:** 31

DOI: [10.1017/aer.2019.1](https://doi.org/10.1017/aer.2019.1)

Biologically Inspired Dynamic Soaring Maneuvers for an Unmanned Air Vehicle Capable of Sweep Morphing

2018

Imran Mir Adnan Maqsood Suhail Akhtar

International Journal of Aeronautical and Space Sciences, Volume 19, Issue 4, Pages 1006-1016

Impact Factor: 0.511 | **Quartile:** 4 | **Citations:** 33

DOI: [10.1007/s42405-018-0086-3](https://doi.org/10.1007/s42405-018-0086-3)

Review of dynamic soaring: technical aspects, nonlinear modeling perspectives and future directions

2018

Imran Mir Sameh A. Eisa Adnan Maqsood

<p><i>Nonlinear Dynamics</i> , Volume 94, Issue 4, Pages 3117-3144</p> <p>Impact Factor: 4.604 Quartile: 1 Citations: 60</p> <p>DOI: 10.1007/s11071-018-4540-3</p>	
<p>A controllability perspective of dynamic soaring</p> <p><i>Imran Mir Haitham Taha Sameh A. Eisa Adnan Maqsood</i></p> <p><i>Nonlinear Dynamics</i> , Volume 94, Issue 4, Pages 2347-2362</p> <p>Impact Factor: 4.604 Quartile: 1 Citations: 49</p> <p>DOI: 10.1007/s11071-018-4493-6</p>	2018
<p>Gap Effect on Flight Performance and Longitudinal Stability of Biplane Micro Air Vehicles</p> <p><i>Muhammad Usman Adnan Maqsood Sundas Rafat Mulkana Rizwan Riaz</i></p> <p><i>International Journal of Mechanical Engineering & Robotics Research</i>, International Journal of Mechanical Engineering and Robotics Research Vol. 7, No. 6, November 2018</p> <p>Impact Factor: - Citations: 5</p> <p>DOI: 10.18178/ijmerr.7.6.635-642</p>	2018
<p>Design Optimization of Ceiling Fan Blades with Nonlinear Sweep Profile</p> <p><i>Adnan Maqsood E. Adeeb C. H. Sohn M. A. Afaq</i></p> <p><i>Journal of Applied Fluid Mechanics</i>, Volume: 11, Issue: 5, Pages 1153-1162, Published: Sep 2018</p> <p>Impact Factor: 0.914 Quartile: 4</p> <p>DOI: 10.18869/acadpub.jafm.73.248.27857</p>	2018
<p>Conceptualization of Corporate Setup of an Aviation Engineering Complex through Systems Engineering Process</p> <p><i>Murtaza Alam Adnan Maqsood</i></p> <p><i>International Journal of Science and Engineering Investigations</i>, NULL</p> <p>Impact Factor: 0</p> <p>DOI: http://www.ijsei.com/papers/ijsei-77918-17.pdf</p>	2018
<p>Optimal morphing – augmented dynamic soaring maneuvers for unmanned air vehicle capable of span and sweep morphologies</p> <p><i>Imran Mir Adnan Maqsood Sameh A. Eisa Haitham Taha Suhail Akhtar</i></p> <p><i>Aerospace Science and Technology</i> , Volume 79, Pages 17-36</p> <p>Impact Factor: 2.829 Quartile: 1 Citations: 75</p> <p>DOI: https://doi.org/10.1016/j.ast.2018.05.024</p>	2018
<p>Multiple time scale analysis of pressure oscillations in solid rocket motors</p> <p><i>Waqas Ahmed Adnan Maqsood Rizwan Riaz</i></p> <p><i>Results in Physics</i>, NULL</p> <p>Impact Factor: 3.042 Quartile: 1 Citations: 2</p> <p>DOI: 10.1016/j.rinp.2018.01.033</p>	2018
<p>Multiple Time Scale Analysis of Pressure Oscillation in Solid Rocket Motors</p> <p><i>Waqas Ahmed Adnan Maqsood Rizwan Riaz</i></p> <p><i>Results in Physics</i>, ISSN:2211-3797, Volume 8, Pages 1068-1075, March 2018, Volume 8, March 2018, Pages , 1068-1075</p> <p>Impact Factor: 3.042 Quartile: 1 Citations: 2</p> <p>DOI: https://doi.org/10.1016/j.rinp.2018.01.033</p>	2018
<p>Nature Inspired Scalable Design Trends for Flapping Wing Configurations</p> <p><i>Sundas Rafat Mulkana Adnan Maqsood</i></p> <p><i>European Journal of Advances in Engineering and Technology</i>, NULL</p> <p>Impact Factor: 0</p> <p>DOI: http://ejaet.com/</p>	2017
<p>Drag reduction of supersonic blunt bodies using opposing jet and nozzle geometric variations</p> <p><i>AtiqBibi Adnan Maqsood Salma Sherbaz LaurentDala</i></p> <p><i>Aerospace Science and Technology</i> , Volume 69, Pages 244-256</p> <p>Impact Factor: 2.228 Quartile: 1 Citations: 76</p> <p>DOI: 10.1016/j.ast.2017.06.007</p>	2017
<p>Multicore and GPU based Pupillometry using Parabolic and Elliptic Hough Transform</p> <p><i>Amnah Nasim Adnan Maqsood Tariq Saeed</i></p> <p><i>International Journal of Mechanical Engineering and Robotics Research</i>, NULL</p> <p>Impact Factor: 0 Citations: 3</p>	2017

DOI: 10.18178/ijmerr.6.5.425-433	
Isotropic Surround Suppression and Hough Transform based Target Recognition from Aerial Images <i>Adnan Maqsood Zartasha Mustansar Hafiz Suliman Munawar</i> <i>International journal of advanced and applied sciences</i> , NULL Impact Factor: 0 DOI: 10.21833/ijaas.2017.08.006	2017
Optimizing Availability of a Framework in Series Configuration Utilizing Markov Model and Monte Carlo Simulation Techniques <i>Shahid Ikramullah Butt Mansoor Ahmed Siddiqui Omer Gilani Mohsin Gilani Adnan Maqsood Faping Zhang</i> <i>Symmetry</i> , Volume 9, Pages 1-14, 22, Issue 7 Impact Factor: 1.256 Quartile: 2 Citations: 3 DOI: 10.3390/sym9070096	2017
Aerodynamic investigation and redesign of ceiling fan blades for enhanced energy efficienc <i>Ammar Hasan Muhammad Aaqib Afaq Adnan Maqsood Shahid Ikramullah Butt Tauseef Tauqeer</i> <i>Maejo International Journal of Science and Technology</i> , Vol.11(02), Pages 97-114 Impact Factor: 0.469 Quartile: 4 DOI: http://www.mijst.mju.ac.th/vol11/97-114.pdf	2017
Thermal Model of Rotary Friction Welding for Similar and Dissimilar Metals <i>Abu Bakar Dawood Hussain Ghulam Mansoor Ahmed Siddiqui Adnan Maqsood Faping Zhang Shahid Ikram Ullah Butt</i> <i>Metals</i> , Volume 7, Pages 1-14 Impact Factor: 1.704 Quartile: 2 Citations: 33 DOI: 10.3390/met7060224	2017
Revolutionizing Telemedicine by Instilling H.265 <i>Hafiz Suliman Munawar Asad Ali Awan Usama Khalid Saba Munawar Adnan Maqsood</i> <i>International Journal of Image, Graphics and Signal Processing</i> , Vol. 5, Pages 20-27 Impact Factor: - DOI: DOI:10.5815/ijigsp.2017.05.03	2017
Parametric Study and Optimization of Ceiling Fan Blades for Improved Aerodynamic Performance <i>Ehsan Adeeb Ehsan Adeeb Adnan Maqsood Ammar Mushtaq C. H. Sohn</i> <i>Journal of Applied Fluid Mechanics</i> , ISSN:1735-3572, eISSN:1735-3645, Volume:9, Issue:6, Pages:2905-2916, Published: 2016, Volume: 9 Issue: 6 Pages: 2905-2916 Impact Factor: N/A DOI: http://jafmonline.net/web/guest/2	2016
Analysis of Microwave Scattering from a Realistic Human Head Model for Brain Stroke Detection Using Electromagnetic Impedance Tomography <i>Awais Munawar Qureshi Adnan Maqsood Zartasha Mustansar</i> <i>Progress In Electromagnetics Research M (PIER-M)</i> , Vol. 52, Pages 45-56 Impact Factor: 0 Citations: 12 DOI: doi:10.2528/PIERM16081303	2016
Knowledge-Based Aerodynamic Estimation of Airships <i>Khurram Rashid Riaz Ahmad Adnan Maqsood Farrukh Mazhar</i> <i>International Journal of Mechanical Engineering and Robotics Research</i> , Vol. 5, No. 4, October 2016 Impact Factor: - Citations: 2 DOI: 10.18178/ijmerr.5.4.239-245	2016
Quadratic Optimal Control of Aerodynamic Vectored UAV at High Angle of Attack <i>Mubashra Manzoor Adnan Maqsood Ammar Hasan</i> <i>International Review of Aerospace Engineering</i> , Volume 9, Issue 3, Pages 70-79 Impact Factor: - Citations: 16 DOI: doi:10.15866/irease.v9i3.8119	2016
Dynamic Modeling and Analysis of a High Pressure Regulator <i>Muhammad Ramzan ADNAN MAQSOOD</i> <i>Mathematical Problems in Engineering</i> , Article Number: 1307181 Impact Factor: 0.802 Quartile: 3 Citations: 14 DOI: http://dx.doi.org/10.1155/2016/1307181	2016
Machinery Options for Green Ship	2015

Effect of aspect ratio on wing rock at low Reynolds number <i>Tiauw Hiong Go Adnan Maqsood</i> <i>Aerospace Science and Technology</i> , Volume 42, Pages 267-273 Impact Factor: 1.751 Quartile: 1 Citations: 9 DOI: 10.1016/j.ast.2015.01.009	2015
Aerodynamic Characteristics of a Flexible Membrane Micro air Vehicle <i>Adnan Maqsood Tiauw Hiong Go</i> <i>Aircraft Engineering and Aerospace Technology</i> , Volume: 87, Issue: 1, Pages: 30-37 Impact Factor: 0.474 Quartile: 3 Citations: 5 DOI: 10.1108/AEAT-03-2013-0064	2015
Review on Analysis & Modeling of Dynamic Stability Characteristics of Atmospheric Entry Vehicles <i>Atiq Bibi Adnan Maqsood Tiauw Hiong Go</i> <i>NUST Journal of Eneering Sciences</i> , Vol.7, No.1, Pages 15-21 Impact Factor: 0 DOI: -	2014
Parametric studies and performance analysis of a biplane micro air vehicle <i>Adnan Maqsood Tiauw Hiong Go</i> <i>International Journal of Aeronautical and Space Sciences</i> , Volume: 14 Issue: 3 Pages: 229-236 Impact Factor: 0 Citations: 11 DOI: 10.5139/IJASS.2013.14.3.229	2013
Aerodynamic Estimation of Annular Wings Based on Leading-Edge Suction Analogy <i>Adnan Maqsood Tiauw Hiong Go</i> <i>AIAA Journal</i> , Volume: 51, Issue: 2, Pages: 529-534 Impact Factor: 1.165 Quartile: 1 Citations: 14 DOI: 10.2514/1.J051914	2013
Optimization of transition maneuvers through aerodynamic vectoring <i>Tiauw Hiong Go Adnan Maqsood</i> <i>Aerospace Science and Technology</i> , Volume 23, Issue 1, Pages 363-371, Special Issue: SI Impact Factor: 0.873 Quartile: 1 Citations: 48 DOI: 10.1016/j.ast.2011.09.004	2012
Propeller-induced Effects on the Aerodynamics of a Small Unmanned Aerial Vehicle <i>Adnan Maqsood Foong Heng Huei Tiauw Hiong Go</i> <i>Journal of Aerospace Technology and Management</i> , Volume 4, No 4, Pages 475-480 Impact Factor: 0 Citations: 5 DOI: 10.5028/jatm.2012.04043112	2012
Multiple time scale analysis of aircraft longitudinal dynamics with aerodynamic vectoring <i>Tiauw Hiong Go Adnan Maqsood</i> <i>Nonlinear Dynamics</i> , Volume 69, Issue 3, Pages 731-742 Impact Factor: 3.009 Quartile: 1	2012
Longitudinal flight dynamic analysis of an agile UAV <i>Tiauw Hiong Go Adnan Maqsood</i> <i>Aircraft Engineering and Aerospace Technology</i> , Volume 82, Issue 5, Pages 288-295 Impact Factor: 0.372 Quartile: 3 Citations: 16 DOI: 10.1108/00022661011092938	2010
Optimization of Hover-to-Cruise Transition Maneuver Using Variable-Incidence Wing <i>Tiauw Hiong Go Adnan Maqsood</i> <i>Journal of Aircraft</i> , Volume 47, Issue 3, Pages 1060-1064 Impact Factor: 0.552 Quartile: 2	2010

Conference Proceedings

<p><i>Mishma Akhtar Adnan Maqsood Mathias Verbeke</i> <i>International Conference on Recent Advances in Space Technologies (RAST), res.country(224,)</i></p> <p>Citations: N/A DOI: 10.1109/RAST57548.2023.10197856</p>	
<p>Numerical modeling and analysis of wing rock in Saccon UCAV</p> <p><i>Waseeq Siddiqui Hafiz M. Ume Adnan Maqsood Shuaib Salama Hongyi XU Dan XIE</i> <i>AIAA SCITECH 2023 Forum , res.country(233,)</i></p> <p>Citations: N/A DOI: https://doi.org/10.2514/6.2023-1557</p>	2023
<p>Shock Reduction through Multiple Opposing Jets in Atmospheric Entry Vehicle</p> <p><i>Huzaifa Shahid Adnan Maqsood Dan XIE</i> <i>AIAA SCITECH 2023 Forum , res.country(233,)</i></p> <p>Citations: N/A DOI: https://doi.org/10.2514/6.2023-2116</p>	2023
<p>Effect of Active Flow Control on Longitudinal Stability Characteristics</p> <p><i>Naveed Tahir Adnan Maqsood</i> <i>AIAA SCITECH 2023 Forum , res.country(233,)</i></p> <p>Citations: N/A DOI: https://doi.org/10.2514/6.2023-0994</p>	2023
<p>Contraction Analysis of Dynamic Soaring</p> <p><i>Imran Mir Sameh A Eisa Adnan Maqsood Faiza Gul Suleman Mir</i> <i>AIAA Science and Technology Forum and Exposition, AIAA SciTech Forum 2022, res.country(233,)</i></p> <p>Citations: N/A DOI: 10.2514/6.2022-0881</p>	2022
<p>Quantification of Gap Effects on Biplane Micro Air Vehicle using Leading-Edge Suction Analogy</p> <p><i>Arooj Fatima Adnan Maqsood Tiauw H. Go Shuaib Salama Rizwan Riaz</i> <i>AIAA SciTech 2022 Forum , res.country(233,)</i></p> <p>Citations: N/A DOI: https://doi.org/10.2514/6.2022-0703</p>	2022
<p>Detached Eddy Simulation of Turbulent Spray Combustion in a Turbo Jet Combustor - Prediction of NOx Concentration</p> <p><i>Hafiz Ali Haider Sehole Adnan Maqsood Rizwan Riaz</i> <i>AIAA SciTech 2022 Forum , res.country(233,)</i></p> <p>Citations: N/A DOI: https://doi.org/10.2514/6.2022-0487</p>	2022
<p>Numerical Investigation of Aerodynamic and Stability Behavior of Corrugated Airfoils at Low Reynolds Number</p> <p><i>Huzaifa Saeed Adnan Maqsood Salma Sherbaz Laurent Dala</i> <i>AIAA SciTech 2022 Forum , res.country(233,)</i></p> <p>Citations: N/A DOI: https://doi.org/10.2514/6.2022-0704</p>	2022
<p>Effect of Reduced Frequency and Mach Number on Damping Characteristics of SACCON UCAV</p> <p><i>Farhan Ullah Adnan Maqsood Dan XIE Hongyi XU</i> <i>AIAA SciTech 2022 Forum , res.country(233,)</i></p> <p>Citations: N/A DOI: https://doi.org/10.2514/6.2022-0131</p>	2022
<p>Numerical Evaluation of Dynamic Stability Derivatives for High Lift Devices</p> <p><i>Hamood Ur Rahman Adnan Maqsood Rizwan Riaz Laurent Dala</i> <i>32nd Congress of the International Council of the Aeronautical Sciences, res.country(48,)</i></p> <p>Citations: N/A DOI: N/A</p>	2021
<p>Numerical Investigation of Wing Rock Phenomenon on Low Aspect Ratio Rectangular Wings at Low Reynolds Number</p> <p><i>Adnan Maqsood Rizwan Riaz Tiauw Hiong Go Aamir Sultan</i> <i>32nd Congress of the International Council of the Aeronautical Sciences, res.country(48,)</i></p>	2021

Citations: N/A	
DOI: N/A	
Two Dimensional Insect Flight Trajectory Tracking and Analysis	2019
<i>Mishma Akhtar Adnan Maqsood Rizwan Riaz</i>	
<i>Sixth International Conference on Aerospace Science and Engineering (ICASE), res.country(177,)</i>	
Citations: N/A	
DOI: 10.1109/ICASE48783.2019.9059114	
Soaring energetics for a nature inspired unmanned aerial vehicle	2019
<i>Imran Mir Adnan Maqsood Haithem E Taha Sameh E Eisa</i>	
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Citations: N/A	
DOI: 10.2514/6.2019-1622	
Dynamic Modeling & Stability Analysis of a Generic UAV in Glide Phase	2017
<i>Imran Mir Adnan Maqsood Suhail Akhtar</i>	
<i>International Conference on Mechanical, Material and Aerospace Engineering, 2MAE 2017, res.country(48,)</i>	
Citations: N/A	
DOI: 10.1051/mateconf/201711401007	
Optimization of dynamic soaring maneuvers to enhance endurance of a versatile UAV	2017
<i>Imran Mir Adnan Maqsood Suhail Akhtar</i>	
<i>International Conference on Aerospace, Mechanical and Mechatronic Engineering, res.country(217,)</i>	
Citations: N/A	
DOI: 10.1088/1757-899X/211/1/012010	
Optimization of Dynamic Soaring Maneuvers to Enhance Endurance of a Versatile UAV	2017
<i>Imran Mir Adnan Maqsood Suhail Akhtar</i>	
<i>International Conference on Aerospace, Mechanical and Mechatronic Engineering, res.country(217,)</i>	
Citations: N/A	
DOI: 10.1088/1757-899X/211/1/012010	
Quantitative evaluation of Security and Privacy perceptions in online social networks: A case study	2017
<i>Asma Bibi Zamir Hussain Fawad Khan Adnan Maqsood</i>	
<i>2017 14th International Bhurban Conference on Applied Sciences and Technology (IBCAST), res.country(177,)</i>	
Citations: N/A	
DOI: 10.1109/IBCAST.2017.7868089	
Optimization of dynamic soaring maneuvers for a morphing capable UAV	2017
<i>Imran Mir Adnan Maqsood Suhail Akhtar</i>	
<i>AIAA Information Systems-AIAA Infotech at Aerospace, 2017, res.country(233,)</i>	
Citations: N/A	
DOI: 10.2514/6.2017-0678	
Optimization of Dynamic Soaring Maneuvers for a Morphing Capable UAV	2017
<i>Imran Mir Adnan Maqsood Suhail Akhtar</i>	
<i>Information Systems-AIAA Infotech@Aerospace 2017 , res.country(233,)</i>	
Citations: N/A	
DOI: 10.1088/1757-899X/211/1/012010	
Computational Modeling of Dynamic Stability Derivatives for Generic Airfoils	2016
<i>Muhammad Saleem Mumtaz AdnanMaqsood Salma Sherbaz</i>	
<i>3rd International Conference on Mechatronics and Mechanical Engineering (ICMME 2016), res.country(48,)</i>	
Citations: N/A	
DOI: https://www.semanticscholar.org/paper/Computational-Modeling-of-Dynamic-Stability-for-Mumtaz-Maqsood/7c41bc1967712e8cdf95f542a754a8c2230bbc11	
Effect of Number of Blades on Performance of Ceiling Fans	2015
<i>Ehsan Adeeb Adnan Maqsood Ammar Mushtaq</i>	
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Citations: N/A	
DOI: 10.1051/mateconf/20152802002	
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2014

Editorial Activities

Reviewed Papers for Journals Impact Factor: 0	2021
Reviewed Papers for Journals Impact Factor: 0	2021
Reviewed Papers for Journals Impact Factor: 4.5	2021
Reviewed Papers for Journals Impact Factor: 4.5	2021
Reviewed Papers for Journals Impact Factor: 0.785	2021
Reviewed Papers for Journals Impact Factor: 1.224	2021
Reviewed Papers for Journals Impact Factor: 5.8	2021
Edited Journal Issue / Proceeding / Book Impact Factor: 1.009	2021
Reviewed Papers for Journals	2021
Reviewed Papers for Journals Impact Factor: 2.95	2021
Edited Journal Issue / Proceeding / Book Impact Factor: 1.009	2021
Reviewed Papers for Journals Impact Factor: 2.056	2021
Edited Journal Issue / Proceeding / Book Impact Factor: 1.009	2020
Reviewed Papers for Journals Impact Factor: 4.499	2020
	2020

Reviewed Papers for Journals	
Impact Factor: 4.499	
	2020
Reviewed Papers for Journals	
Impact Factor: 4.867	
	2020
Reviewed Papers for Journals	
Impact Factor: 1.85	
	2020
Reviewed Papers for Journals	
Impact Factor: 1.595	
	2020
Reviewed Papers for Journals	
Impact Factor: 3.379	
	2020
Reviewed Papers for Journals	
Impact Factor: 0.785	
	2020
Reviewed Papers for Journals	
Impact Factor: 1.13	
	2020
Reviewed Papers for Journals	
Impact Factor: 1.761	
	2020
Reviewed Papers for Journals	
Impact Factor: 2.833	