

## Abdul Munyem Khan

Associate Professor of Practice

School of Mechanical & Manufacturing Engineering

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### About

Dr. Abdul Munyem Khan is working as Associate Professor of Practice in the School of Mechanical & Manufacturing Engineering. Dr. Abdul Munyem Khan has a PhD in Aerospace Engineering. Dr. Abdul Munyem Khan has published 15 research articles & conference papers having a citation count of 119, carried out 0 projects and filed 0 intellectual property.

### Qualifications

<b>PhD in Aerospace Engineering</b> Iowa State University of Science and Technology , United States	1992 - 1997
<b>MS in Aerospace Engineering</b> University of Michigan - Ann Arbor , United States	1991 - 1992
<b>BE in Aerospace Engineering</b> NED UET Karachi , Pakistan	1981 - 1985

### Experience

<b>Associate Professor of Practice</b> School of Mechanical & Manufacturing Engineering	2023- Present
<b>Professor and HoD</b> IST , Islamabad Expressway, Islamabad	2017 - 2021
<b>Associate Professor (H)</b> HITEC University , Taxilla Cantt, Taxilla	2015 - 2017
<b>Commandant CAE</b> CAE, NUST , PAF Academy, Risalpur	2012 - 2015
<b>Dean CAE</b> College of Aeronautical Engineering , PAF Academy Risalpur	2011 - 2012
<b>HoD Aerospace Engineering</b> CAE , PAF Academy Risalpur	2009 - 2011
<b>Associate Professor</b> Aerospace Department, CAE , PAF Academy Risalpur	2004 - 2009
<b>Design Engineer</b> CADI , Chengdu	2000 - 2003
<b>Assistant Professor</b> CAE , PAF Academy Risalpur	1997 - 2002

## Research Articles

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- Flow acceleration by converging nozzles for power generation in existing canal system** 2013  
*Abid A. Khan Abdul Munyem Khan M. Zahid R. Rizwan*  
*Renewable Energy* , Volume 60, Pages 548-552  
**Impact Factor:** 3.361 | **Quartile:** 2 | **Citations:** 33  
**DOI:** <https://doi.org/10.1016/j.renene.2013.06.005>
- On using neural networks in UAV structural design for CFD data fitting and classification** 2013  
*Farrukh Mazhar Abdul Munyem Khan Imran Ali Chaudhry Mansoor Ahsan*  
*Aerospace Science and Technology* , Volume 30, Issue 1, Pages 210-225  
**Impact Factor:** 1.00 | **Quartile:** 1 | **Citations:** 34  
**DOI:** <http://dx.doi.org/10.1016/j.ast.2013.08.005>
- Minimizing makespan for a no-wait flowshop using genetic algorithm** 2012  
*Imran Ali Chaudhry Abdul Munyem Khan*  
*Sadhana - Academy Proceedings in Engineering Sciences*, Volume 37, Issue 6, Pages 695-707  
**Impact Factor:** 0.393 | **Quartile:** 4 | **Citations:** 21  
**DOI:** DOI 10.1007/s12046-012-0105-1
- Effects of bend–twist coupling on composite propeller performance** 2000  
*Abdul M. Khan Daniel O. Adams Vinay Dayal Jerald M. Vogel*  
*Mechanics of Composite Materials and Structures*, Volume 7, Issue 4, Pages 383-401  
**Impact Factor:** 0.462 | **Quartile:** 2 | **Citations:** 31  
**DOI:** DOI: 10.1080/10759410050201717

## Conference Proceedings

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- A Genetic Algorithm for Flexible Job Shop Scheduling** 2013  
*Imran A. Chaudhry Abdul Munem Khan Abid Ali Khan*  
*World Congress on Engineering 2013*, res.country(231,) **Citations:** N/A  
**DOI:** ISBN: 978-988-19251-0-7
- Structural Design of A UAV Wing using Finite Element Method** 2010  
*Farrukh Mazhar Abdul Munem Khan*  
*AIAA/ASME/ASCE/AHS/ASC* , res.country(233,) **Citations:** N/A  
**DOI:** 10.2514/6.2010-3099
- Effect of First Vibration Mode on Sub-Critical Thermocapillary Convection in Floating Zone Liquid Bridge** 2010  
*Ashfaq Ahmed Jehanzeb Masud Abdul Munem Khan Mehr Nigar*  
*48th AIAA* , res.country(233,) **Citations:** N/A  
**DOI:** <https://doi.org/10.2514/6.2010-637>
- Constrained Torsion Analysis of Composite Single Cell Tapered Box Beam All [[45/-45]2] S Lay- Up For Alpha & Beta = 1.0 Degree** 2008  
*Malik Nazir Ahmed Abdul Munyem Khan Gohar Majeed*  
*10th National Aeronautical Conference* , res.country(177,) **Citations:** N/A  
**DOI:** <https://doi.org/10.24949/njes.v2i1.56>
- Fatigue Life Estimation of Mushshak Aircraft Rear Wing Attachment under Variable Amplitude Loading** 2008  
*Murtaza Nusrat Abdul Munyem Khan*  
*10th National Aeronautical Conference* , res.country(177,) **Citations:** N/A  
**DOI:** 10.24949/njes.v2i1.56
- Constrained Torsion Analysis of Composite Single Cell Tapered Box Beam all [0/45/-45/90] s Lay- up for Alpha & Beta = 1.0 Degree** 2008  
*Malik Nazir Ahmed Abdul Munyem Khan Zahid I Beg*  
*10th National Aeronautical Conference* , res.country(177,)

Citations: N/A

DOI: <https://doi.org/10.24949/njes.v2i1.56>

**Application of Numerical Optimization Technique for Composite Propeller Design**

2008

*Abdul Munyem Khan Malik N. Ahmed Daniel O. Adams*

*10th National Aeronautical Conference*, res.country(177,)

Citations: N/A

DOI: <https://doi.org/10.24949/njes.v2i1.56>

**Modal and Harmonic analysis of L.P. Turbine of a small TurboFan engine using Finite Element Method**

2007

*H. A. Khawaja Abdul Munem Khan*

*Failure of Engineering Materials & Structures 2007*, res.country(177,)

Citations: N/A

DOI: Nil

**Development and Application of a 2-D Approximation Technique for solving Stress Analyses Problem of a L.P. Turbine using Finite Element Method**

2007

*Hassan A Khawaja Abdul Munem Khan*

*Failure of Engineering Material and Structures FEMS(2007)*, res.country(177,)

Citations: N/A

DOI: Nil

**Development of a Computer Based Learning Tool for understanding Aircraft Structures**

2007

*Farrukh Mazhar Abdul Munem Khan Irfan Aziz*

*12-th International Conference on Aerospace Sciences & Aviation Technology*, res.country(65,)

Citations: N/A

DOI: Nil

**Development of a software using Visual Basic for learning Aerospace Structures Theory**

2006

*Farrukh Mazhar Abdul Munem Khan irfan aziz Omar Bashir*

*10h national aeronautical conference risalpur*, res.country(177,)

Citations: N/A

DOI: Nil