# Asim Shahzad


Associate Professor

College of Aeronautical Engineering

**Email:** mr_asim_shahzad@yahoo.com
**Contact:**
**LinkedIn:** https://ww.linkedin.com/in/dr-asim-shahzad-0569876/


## About

Dr. Asim Shahzad is working as Associate Professor in the College of Aeronautical Engineering. Dr. Asim Shahzad has a PhD in Composite Materials. Dr. Asim Shahzad has published 15 research articles & conference papers having a citation count of 1060, carried out 0 projects and filed 0 intellectual property.

## Qualifications

**PhD in Composite Materials** 2005 - 2009
University of Wales, Swansea , United Kingdom

**BE in Mechanical Engineering** 1992 - 1995
University of Newcastle-upon-Tyne , United Kingdom

**Post Grad Diploma in Physics Maths** 1988 - 1990
University of the Punjab , Pakistan

## Experience

**Associate Professor** 2023- Present
College of Aeronautical Engineering

**Principal Engineer** 1992 - 2023
Dr A Q Khan Research Laboratories (KRL) , PO Box 1384, Rawalpindi

## Research Articles

**Incorporation of Ceramic-Based Lyophilized Sepiolite Clay Enhances Mechanical Properties and Thermal Stability of HDPE** 2025
*Shafi Ur Rehman Sana Javaid Sadaf Munir Fawad Ahmed Muhammad Shahid Asim Shahzad Badar Rashid Ahmed B. M. Ibrahim Maged S. Al-Fakeh*
*Polymer Composites*
**Impact Factor:** 4.700 | **Quartile:** 1
**DOI:** https://doi.org/10.1002/pc.70009

**The Re-/Up-Cycling of Wood Waste in Wood–Polymer Composites (WPCs) for Common Applications** 2023
*Carmen-Alice Teaca Asim Shahzad Ioana A. Duceac Fulga Tanasa*
*Polymers* , Volume 15, Issue 16, Article Number 3467
**Impact Factor:** 5.0 | **Quartile:** 1 | **Citations:** 6
**DOI:** 10.3390/polym15163467

**The Synergistic Effect of Polystyrene/Modified Boron Nitride Composites for Enhanced Mechanical, Thermal and Conductive Properties** 2023
*Shafi Ur Rehman Sana Javaid Muhammad Shahid Nasir Mahmood Ahmad Badar Rashid Caroline R. Szczepanski Asim Shahzad*
*Polymers* , Volume 15(1), Article Number 235
**Impact Factor:** 4.967 | **Quartile:** 1 | **Citations:** 5
**DOI:** https://doi.org/10.3390/polym15010235

**Effects of stabilization patterns on the static and fatigue behavior of glass fiber non-crimp fabric composites** 2019
*Sanaullah Nasir Asim Shahzad*
*Journal of Composite Materials* , Volume:53, Issue:25, Pages 3589-3598
**Impact Factor:** 1.972 | **Quartile:** 3 | **Citations:** 1
**DOI:** https://doi.org/10.1177/0021998319843994

**Validation of fatigue damage model for composites made of various fiber types and configurations** 2018
*Asim Shahzad Sanaullah Nasir*

*Journal of Composite Materials* , Volume:52, Issue:9, Pages 1183-1191

**Impact Factor:** 1.755 | **Quartile:** 3 | **Citations:** 2

**DOI:** https://doi.org/10.1177/0021998317722402

**Fatigue properties of hemp and glass fiber composites** 2014

*Asim Shahzad D. H. Isaac*

*Polymer Composites* , Volume:35, Issue:10, Pages 1926-1934

**Impact Factor:** 1.632 | **Quartile:** 2 | **Citations:** 43

**DOI:** https://doi.org/10.1002/pc.22851

**Accelerated Weathering Properties of Hemp Fibre Composites** 2014

*Asim Shahzad*

*Open Access Library Journal* , Volume 1(3), Pages 1-8

**Impact Factor:** N/A

**DOI:** https://doi.org/10.4236/oalib.1100606

**A study in physical and mechanical properties of hemp fibres** 2013

*Asim Shahzad*

*Advances in Materials Science and Engineering* , Volume:2013, Article ID 325085, 9 pages

**Impact Factor:** 0.897 | **Quartile:** 3 | **Citations:** 102

**DOI:** https://doi.org/10.1155/2013/325085

**Effects of alkalization on tensile, impact, and fatigue properties of hemp fiber composites** 2012

*Asim Shahzad*

*Polymer Composites* , Volume:33, Issue:7, Page:1129-1140

**Impact Factor:** 1.482 | **Quartile:** 1 | **Citations:** 57

**DOI:** https://doi.org/10.1002/pc.22241

**Hemp fiber and its composites - A review** 2012

*Asim Shahzad*

*Journal of Composite Materials* , Volume:46, Issue:8, Pages 973-986

**Impact Factor:** 0.936 | **Quartile:** 2 | **Citations:** 526

**DOI:** https://doi.org/10.1177/0021998311413623

**Effects of water absorption on mechanical properties of hemp fiber composites** 2012

*Asim Shahzad*

*Polymer Composites* , Volume:33, Issue:1, Pages 120-128

**Impact Factor:** 1.482 | **Quartile:** 1 | **Citations:** 29

**DOI:** https://doi.org/10.1002/pc.21254

**Effects of fibre surface treatments on mechanical properties of hemp fibre composites** 2011

*Asim Shahzad*

*Composite Interfaces* , Volume:18, Issue:9, Pages 737-754

**Impact Factor:** 0.438 | **Quartile:** 3 | **Citations:** 16

**DOI:** http://doi.org/10.1163/156855412X629583

**Comparison of tensile properties and impact damage tolerance of hemp and glass fiber composites** 2011

*Asim Shahzad*

*Journal of Reinforced Plastics and Composites*, Volume:30, Issue:22, Pages 1877-1893

**Impact Factor:** 0.727 | **Quartile:** 2 | **Citations:** 15

**DOI:** https://doi.org/10.1177/0731684411431123

**Impact and fatigue properties of hemp-glass fiber hybrid biocomposites** 2011

*Asim Shahzad*

*Journal of Reinforced Plastics and Composites*, Volume:30, Issue:16, Pages 1389-1398

**Impact Factor:** 0.727 | **Quartile:** 2 | **Citations:** 113

**DOI:** https://doi.org/10.1177/0731684411425975

## Editorial Activities

**SURFACE TREATMENT METHODS OF NATURAL FIBRES AND THEIR EFFECTS ON BIOCOMPOSITES** 2022

Edited Journal Issue / Proceeding / Book

**Impact Factor:** N/A

**Materials Science and Technologies** 2017

Edited Journal Issue / Proceeding / Book

**Impact Factor:** N/A