Israr Ud Din

Assistant Professor

School of Interdisciplinary Engineering & Sciences

Email: israr.sines@sines.nust.edu.pk
Contact:
LinkedIn: https://www.linkedin.com/in/israr-d-14420826/

About

Dr. Israr Ud Din is working as Assistant Professor in the School of Interdisciplinary Engineering & Sciences. Dr. Israr Ud Din has a PhD in Composites Damage Modeling. Dr. Israr Ud Din has published 11 research articles & conference papers having a citation count of 321, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Composites Damage Modeling 2014 - 2018
Université de Picardie Jules-Verne , France

MS in Computational Mechanics 2006 - 2008
Pakistan Institute of Engineering and Applied Sciences (PIEAS) , Pakistan

BS in Mechanical Engineering 2002 - 2006
UET Peshawar , Pakistan

Experience

Assistant Professor 2023- Present
School of Interdisciplinary Engineering & Sciences

Assistant Professor 2023 - 2022
School of Interdisciplinary Engineering & Sciences

Assistant Professor 2022 - 2019
School of Interdisciplinary Engineering & Sciences

Assistant Professor 2019 - 2022
Research Centre for Modelling & Simulation

Teacher Assistant 2015 - 2018
University of Picardie Jules Verne , Amiens, France

Manager 2008 - 2014
Advanced Engineering Research Organization (AERO) , Wah Cant, Rawalpindi

Awards

PIEAS MS Fellowship 2006
Fully Funded MS Fellowship for two years

Silver Medal
BISE SWAT

PhD Funding
PhD Scholarship

Professional Memberships

PEC Since 2006

Research Projects

National Projects

Integrated Modeling of the Cure Process and the Damage Behavior of CFRP Composites 2021

Funding Agency: BRAIA, China
Amount: PKR 1,230,000.00
Status: Completed

International Projects

Research Articles

Heat Transfer Augmentation and Entropy Generation Analysis of Microchannel Heat Sink (MCHS) with Symmetrical Ogive-Shaped Ribs 2023

Kareem Akhtar Haseeb Ali Azed Abbas Muhammad Zeeshan Zahir Faraz Ahmad Fayyaz Alam Nasir Shah Muhammad Aamir Israr Ud Din
Energies, Volume 16(6), Article Number 2783
Impact Factor: 3.252 | **Quartile:** 3 | **Citations:** 8
DOI: https://doi.org/10.3390/en16062783

Experimental investigation on the quasi-static crush performance of resin-infused thermoplastic 3D fibre-reinforced composites 2021

S.Z.H Shah PSM. Megat-Yousaf R.S. Choudhry Zubair Sajid Israr Ud Din
Composites Communications, Volume 28, Article Number 100916
Impact Factor: 6.617 | **Quartile:** 1 | **Citations:** 22
DOI: 10.1016/j.coco.2021.100916

Effect of Cutting Parameters and Tool Geometry on the Performance Analysis of One-Shot Drilling Process of AA2024-T3 2021

Khalid Giasin Majid Tolouei-Rad Israr Ud Din Muhammad Imran Hanif Ugur Kuklu Danil Yuriech Pimenov Muhammad Ikhlaq Muhammad Aamir
Metals, Volume 11(6), Article Number 854
Impact Factor: 2.695 | **Quartile:** 2 | **Citations:** 24
DOI: https://doi.org/10.3390/met11060854

Compression and buckling after impact response of resin-infused thermoplastic and thermoset 3D woven composites 2021

S.Z.H Shah PSM. Megat-Yousaf S. Karuppanan R.S Choudhry Israr Ud Din A.R. Othman K. Sharp P. Gerard
Composites Part B: Engineering, Volume 207, Article Number 108592
Impact Factor: 11.322 | **Quartile:** 1 | **Citations:** 75
DOI: https://doi.org/10.1016/j.compositesb.2020.108592

Sequential damage study induced in fiber reinforced composites by shear and tensile stress using a newly developed Arcan fixture 2020

Israr-ud-Din Shanshan Tu Pei Hao Stephane Panier Kamran Ahmed Khan Rehan Umer S.Z.H. Shah Gerald Franz Muhammad Aamir
Journal of Materials Research and Technology, Volume 9, Issue 6, Pages 13352-13364
Impact Factor: 5.039 | **Quartile:** 1 | **Citations:** 36
DOI: doi.org/10.1016/j.jmrt.2020.09.067

Processing and out-of-plane properties of composites with embedded graphene paper for EMI shielding applications 2020

Israr-ud-Din K. Naresh R. Umer K.A Khan L.T Drzal M. Haq W.J Cantwell
Composites Part A: Applied Science and Manufacturing, Volume 134, Article Number 105901
Impact Factor: 7.664 | **Quartile:** 1 | **Citations:** 45
DOI: 10.1016/j.compositesa.2020.105901

Design of a New Arcan Fixture for In-plane Pure Shear and Combined Normal/Shear Stress Characterization of Fiber Reinforced Polymer Composites 2020

Israr-ud-Din Pei Hao Stephane Panier K.A Khan M. Aamir G. Franz K. Akhtar
Experimental Techniques, Volume 44, Pages 44, 231–240
Impact Factor: 1.167 | **Quartile:** 4 | **Citations:** 18
DOI: 10.1007/s40799-019-00353-9

Finite element modeling of indentation and adhesive wear in sliding of carbon fiber reinforced thermoplastic polymer against metallic counterpart 2019

Stephane Panier Pei Hao Gerald Franz Jayashree Bijweb Li Hui Israr Ud Din
Tribology International, Volume 135, Pages 200-212

Impact Factor: 4.271 | **Quartile:** 1 | **Citations:** 25
DOI: 10.1016/j.triboint.2019.03.010

FEM implementation of the coupled elastoplastic/damage model: Failure prediction of Fiber Reinforced Polymers (FRPs) composites 2019

Pei Hao Gerald Franz Stephane Panier Israr-ud-Din M. Aamir

Journal of Solid Mechanics, Vol. 11, No. 4, Pages 842-853

Impact Factor: 0
DOI: 10.22034/JSM.2019.668617

Performance of SAC305 and SAC305-0.4La lead free electronic solders at high temperature 2019

Muhammad Aamir Majid Tolouei-Ra Israr Ud Din Khaled Giasin Ana Vafadar

Soldering & Surface Mount Technology, Volume 31, Issue 4, Pages 250-260

Impact Factor: 2.164 | **Quartile:** 1 | **Citations:** 25
DOI: 10.1108/SSMT-01-2019-0001

Elastoplastic CDM model based on Puck's theory for the prediction of mechanical behavior of Fiber Reinforced Polymer (FRP) composites 2018

Pei Hao Gerald Franz Stephane Panier Israr Ud Din

Composite structures, Volume 201, Pages 291-302

Impact Factor: 4.829 | **Quartile:** 1 | **Citations:** 43
DOI: 10.1016/j.compstruct.2018.06.010