Salman Sagheer Warsi

Associate Professor

NUST Business School

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About

Dr. Salman Sagheer Warsi is working as Associate Professor in the NUST Business School. Dr. Salman Sagheer Warsi has a PhD in Design and Manufacturing Engineering . Dr. Salman Sagheer Warsi has published 18 research articles & conference papers having a citation count of 390, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Design and Manufacturing Engineering 2012 - 2018
NUST, Islamabad , Pakistan

MS in Design Manufacture Management 2008 - 2009
University of Durham , United Kingdom

BSc in Mechanical Engineering 1997 - 2001
UET Taxila , Pakistan

Experience

Associate Professor 2024- Present
NUST Business School

Associate Professor 2022 - 2024
Capital University of Science and Technology (CUST) , Off Khauta Road Islamabad Highway

Assistant Professor 2011 - 2021
Capital University of Science and Technology (CUST) , Off Khauta Road Islamabad Highway

Lecturer 2010 - 2011
SCET Wah Cantt , GT Road Wah Cantt

Assistant Manager 2007 - 2008
Atlas Engineering Limited , 15th Mile, National Highway Karachi

Assistant Manager 2004 - 2007
Atlas Engineering Limited , 15th Mile, National Highway Karachi

Production Engineer 2003 - 2003
Atlas Engineering Limited , 15th Mile, National Highway Karachi

Industry Projects

National Projects

Development of Digital Platform for Logistics Management 2025
Client: TEQO Enterprises
Amount: PKR 369,000.00
Status: Completed

International Projects

Research Articles

Exploring the synergy between sustainability and resilience in supply chains under stochastic demand conditions and network disruptions 2025
Saheeb Ahmed Kayani Salman Sagheer Warsi
Results in Engineering, Volume:26, Article Number 104954

Impact Factor: 6.000 | **Quartile:** 1
DOI: https://doi.org/10.1016/j.rineng.2025.104954

Optimizing bio-hybrid composites for impact resistance using machine learning 2025
Aamir Mubashar Salman Sagheer Warsi Saqib Anwar Volkan Esat Manzar Masud
Journal of the Brazilian Society of Mechanical Sciences and Engineering, Volume 47, Article Number 217
Impact Factor: 1.800 | **Quartile:** 3
DOI: https://doi.org/10.1007/s40430-025-05524-x

A Smart Decision Support Framework for Sustainable and Resilient Supplier Selection and Order Allocation in the Pharmaceutical Industry 2023
Saheeb Ahmed Kayani Salman Sagheer Warsi Raja Awais Liaqait
Sustainability , Volume 15, Issue 7, Article Number 5962
Impact Factor: 3.9 | **Quartile:** 2 | **Citations:** 23
DOI: https://doi.org/10.3390/su15075962

A Decision Framework for Solar PV Panels Supply Chain in Context of Sustainable Supplier Selection and Order Allocation 2021
Raja Awais Liaqait Salman Sagheer Warsi Taiba Zahid Usman Ghafoor Muhammad Shakeel Ahmad Jeyraj Selvaraj
Sustainability , Volume 13(23), Article Number 13216
Impact Factor: 3.251 | **Quartile:** 2 | **Citations:** 11
DOI: doi.org/10.3390/su132313216

Redefining Critical Tasks for Responsive and Resilient Scheduling–An Intelligent Fuzzy Heuristic Approach 2021
Taiba Zahid Mujtaba Hasan Agha Salman Sagheer Warsi Usman Ghafoor
IEEE Access , Volume 9, Pages 145513-145521
Impact Factor: 3.367 | **Quartile:** 2 | **Citations:** 2
DOI: 10.1109/ACCESS.2021.3123138

Sustainability-Based Analysis of Conventional to High-Speed Machining of Al 6061-T6 Alloy 2021
Salman Sagheer Warsi Taiba Zahid Hassan Elahi Raja Awais Liaquat Saira Bibi Fouzia Gillani Usman Ghafoor
Applied Sciences , Volume 11(19), Article Number 9032
Impact Factor: 2.679 | **Quartile:** 2 | **Citations:** 8
DOI: 10.3390/app11199032

A Multi-Criteria Decision Framework for Sustainable Supplier Selection and Order Allocation using Multi-objective Optimization and Fuzzy Approach 2021
Raja Awais Liaqait Salman Sagheer Warsi Mujtaba Hassan Agha Till Becker Taiba Zahid
Engineering Optimization , Pages 1-22
Impact Factor: 2.500 | **Quartile:** 2 | **Citations:** 31
DOI: 10.1080/0305215X.2021.1901898

Case study on the Competitiveness Comparisons of Karachi Port with the Neighbouring Emerging Ports in Persian Gulf and Indian Ocean 2020
Mujtaba Hassan Agha Raja Awais Liaqait Till Becker Salman Sagheer Warsi
NUST Business Review , Volume 2, Issue 1, Pages 12-42
Impact Factor: -
DOI: https://nbr.nust.edu.pk/vol-2-issue-1/

Multi-objective optimization of turning titanium-based alloy Ti-6Al-4V under dry, wet, and cryogenic conditions using gray relational analysis (GRA) 2020
Syed Husain Imran Jaffery Muhammad Younas Shahid I Butt Riaz Ahmad Muhammad Ali Khan Mushtaq Khan Salman Sagheer Warsi
The International Journal of Advanced Manufacturing Technology, Volume 106, Issue 7-8, Pages 3897-3911
Impact Factor: 3.226 | **Quartile:** 2 | **Citations:** 77
DOI: 10.1007/s00170-019-04913-6

Development of specific cutting energy map for sustainable turning: a study of Al 6061 T6 from conventional to high cutting speeds 2020
Riaz Ahmad Syed Husain Imran Jaffery Mujtaba Hassan Agha Salman Sagheer Warsi Mushtaq Khan
The International Journal of Advanced Manufacturing Technology, Volume 106, Issue 7-8, Pages 2949-2960
Impact Factor: 3.226 | **Quartile:** 2 | **Citations:** 16
DOI: 10.1007/s00170-019-04836-2

Statistical analysis of energy consumption, tool wear and surface roughness in machining of Titanium alloy (Ti-6Al-4V) under dry, wet and cryogenic conditions 2019

Muhammad Ali Khan Syed Husain Imran Jaffery Mushtaq Khan Muhammad Younas Shahid Ikramullah Butt Riaz Ahmad Salman Sagheer Warsi

Mechanical Sciences , Volume 10, Pages 561-573

Impact Factor: 1.015 | **Quartile:** 4 | **Citations:** 46

DOI: 10.5194/ms-10-561-2019

Sustainable turning using multi-objective optimization: a study of Al6061 T6 at high cutting speeds 2019

Salman Sagheer Warsi Mujtaba Hassan Agha Riaz Ahmad Syed Husain Imran Jaffery Mushtaq Khan

International Journal of Advanced Manufacturing Technology, Volume 100, Issue 1–4, Pages 843–855

Impact Factor: 2.633 | **Quartile:** 2 | **Citations:** 51

DOI: 10.1007/s00170-018-2759-2

Development of energy consumption map for orthogonal machining of Al 6061-T6 alloy 2018

Salman Sagheer Warsi Syed Husain Imran Jaffery Riaz Ahmad Mushtaq Khan Mujtaba Hassan Agha Sohail Akram Liaqat Ali

Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, Volume 232, Issue 14, Pages 2510-2522

Impact Factor: 1.752 | **Quartile:** 3 | **Citations:** 45

DOI: 10.1177/0954405417703424

Development and analysis of energy consumption map for high-speed machining of Al 6061-T6 alloy 2018

Salman Sagheer Warsi Syed Husain Imran Jaffery Riaz Ahmad Mushtaq Khan Mujtaba Hassan Agha Liaqat Ali

The International Journal of Advanced Manufacturing Technology, Volume 96, Issue 1-4, Pages 91-102

Impact Factor: 2.496 | **Quartile:** 2 | **Citations:** 39

DOI: 10.1007/s00170-018-1588-7

Conference Proceedings

Effect of machining parameters on surface roughness during milling operation 2021

Sajid Raza Zaidi Mushtaq Khan Syed Hussain Imran Jaffery Salman Sagheer Warsi

Advances in Transdisciplinary Engineering , res.country(231,)

Citations: N/A

DOI: 10.3233/ATDE210033

A numerical investigation and experimental validation on chip morphology of Aluminum Alloy 6061 during orthogonal machining 2016

Syed Husain Imran Jaffery Mushtaq Khan Sohail Akram Aamir Mubashar Salman Sagheer Warsi Umair Riaz

2016 Moratuwa Engineering Research Conference (MERCon) , res.country(129,)

Citations: 9

DOI: 10.1109/MERCon.2016.7480163

Analysis of power and specific cutting energy consumption in orthogonal machining of al 6061-T6 alloys at transitional cutting speeds 2015

Syed Husain Imran Jaffery Riaz Ahmad Mushtaq Khan Salman Sagheer Warsi

ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE), res.country(233,)

Citations: N/A

DOI: 10.1115/IMECE2015-53290