

Khurram Kamal

Professor

Pakistan Navy Engineering College

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About

Dr. Khurram Kamal is working as Professor in the Pakistan Navy Engineering College. Dr. Khurram Kamal has a PhD in Mechatronics. Dr. Khurram Kamal has published 60 research articles & conference papers having a citation count of 798, carried out 2 projects and filed 6 intellectual property.

Qualifications

PhD in Mechatronics Loughborough University , Pakistan	2004 - 2008
MSc in Computer Science University of Karachi , Pakistan	2001 - 2003
BE in Mechanical Engineering NED UET Karachi , Pakistan	1997 - 2001

Experience

Professor Pakistan Navy Engineering College	2022- Present
Associate Professor Pakistan Navy Engineering College	2019 - 2022
Assistant Professor Pakistan Navy Engineering College	2017 - 2019
Assistant Professor College of Electrical & Mechanical Engineering	2012 - 2017
Senior Lecturer University Technology Malaysia , University Technology Malaysia	2010 - 2012
Assistant Professor National University of Sciences and Technology, Islamabad , College of Electrical and Mechanical Engineering (C of E&ME), Peshawar Road, Rawalpindi, Pakistan	2009 - 2010
PhD Researcher Loughborough University United Kingdom , Loughborough University United Kingdom	2004 - 2008
Project Engineer Pro-Plan Associated Pvt. Ltd. Karachi Pakistan. , PRO PLAN ASSOCIATES (PVT) LTD.68-C, 2nd Floor, 13th Comm. St. Phase-II Ext., D.H.A., Karachi 75500.	2002 - 2003
Project Engineer Pro-Plan Associates Pvt. (Ltd), Karachi, Pakistan , PRO PLAN ASSOCIATES (PVT) LTD.68-C, 2nd Floor, 13th Comm. St. Phase-II Ext., D.H.A., Karachi 75500.	2001 - 2001

Awards

EPSRC Scholarship Awarded an Engineering and Physical Sciences Research Council (EPSRC) - UK scholarship for the PhD study by Loughborough University UK.

Research Projects

National Projects

Hydrogen-Electric Energy Storage Mechanisms and Robustness Enhancement Research in Standalone Renewable Energy Systems with Wind and Solar	2024
Funding Agency: PAKISTAN SCIENCE FOUNDATION AND NATIONAL NATURAL SCIENCE FOUNDATION CHINA	
Amount: PKR 9,942,000.00	
Status: Approved_inprocess	
An Advanced Traffic Monitoring System using airborne data collection	2022
Funding Agency: HEC	
Amount: PKR 9,050,000.00	
Status: Approved_inprocess	

International Projects

Research Articles

Mathematical modelling of a sustainable energy system for restaurant communities: Waste-to-H2 conversion, CO2 sequestration, clean fuel production, and power generation	2025
Syed Muhammad Aun Rizvi Khurram Kamal Tahir Abdul Hussain Ratlamwala	
Computers and Chemical Engineering , Volume 199, Article Number 109038	
Impact Factor: 3.900 Quartile: 2 Citations: 1	
DOI: https://doi.org/10.1016/j.compchemeng.2025.109038	
Integrated energy, exergy, and environment (3E) analysis, and life cycle assessment of renewable sourced multigeneration system for optimized performance and environmental impact assessment	2025
Sheikh Muhammad Ali Haider Tahir Abdul Hussain Ratlamwala Khurram Kamal Mohammed Alkahtani Muhammad Abid Haifeng Liu	
Sustainable Energy Technologies and Assessments, Volume:80, Article Number 104368	
Impact Factor: 7.00 Quartile: 2	
DOI: https://doi.org/10.1016/j.seta.2025.104368	
Decarbonization pathways for Gas Turbines: A thermodynamic and lifecycle evaluation of hydrogen and biogas blends	2025
Abdul Rafay Khokhar Tahir Abdul Hussain Ratlamwala Khurram Kamal Mohammed Alkahtani Sayem Zafar	
International Journal of Hydrogen Energy, Volume:143, Pages561-581	
Impact Factor: 8.300 Quartile: 1	
DOI: https://doi.org/10.1016/j.ijhydene.2025.03.320	
Numerical prediction of ureter stone size using an integrated CFD-ML approach	2025
Muhammad Mubashar Ashraf Khurram Kamal Muhammad Fahad N. F. M. Noor Tahir Abdul Hussain Ratlamwala	
Neural Computing and Applications, Volume:37, Issue:7, Pages 5325-5341	
Impact Factor: 4.500 Quartile: 2	
DOI: https://doi.org/10.1007/s00521-024-10880-1	
Comparative analysis of a multi-generation system using different conventional & nano based working fuels	2024
Tahir Abdul Hussain Ratlamwala Hafsa Javed Sana Naseem Khurram Kamal	
International Journal of Hydrogen Energy, Volume:52, Part A Page:1-12	
Impact Factor: 7.2 Quartile: 1 Citations: 2	
DOI: 10.1016/j.ijhydene.2023.07.170	
Tool Health Classification in Metallic Milling Process Using Acoustic Emission and Long Short-Term Memory Networks: A Deep Learning Approach	2023
Fawad Khan Khurram Kamal Tahir Abdul Hussain Ratlamwala Mohammed Alkahtani Mohammed Almatani Senthana Mathavan	
IEEE Access , Volume 11, Pages 126611-126633	
Impact Factor: 3.9 Quartile: 2 Citations: 6	
DOI: 10.1109/ACCESS.2023.3328582	
Sustainable operations of a combined cycle power plant using artificial intelligence based power prediction	2023
Adeel Asghar Tahir Abdul Hussain Ratlamwala Khurram Kamal Mohammed Alkahtani Emad Mohammad Senthana Mathavan	
Heliyon , Volume 9, Issue 9, Article Number e19562	
Impact Factor: 4.0 Quartile: 2 Citations: 7	
DOI: https://doi.org/10.1016/j.heliyon.2023.e19562	

Stirnot Engine: A combination of Nitinol (shape memory alloy) and Gamma Stirling Engine <i>Humayun Arif Syed Aqueel shah Tahir Abdul Hussain Ratlamwala Khurram Kamal Maqsood Ahmed</i> <i>Revista Mexicana de Fisica</i> , Volume 69, Issue 3, Pages 1-8 Impact Factor: 1.702 Quartile: 3 DOI: 10.31349/RevMexFis.69.030601	2023
Effect of Material Change on Stirnot Engine: A Combination of NiTiNOL (Shape Memory Alloy) and Gamma Stirling Engine <i>Syed Aqueel shah Tahir Abdul Hussain Ratlamwala Khurram Kamal Maqsood Ahmed Khan Humayun Arif</i> <i>Materials</i> , Volume 16, Issue 8, Article Number 3257 Impact Factor: 3.748 Quartile: 1 Citations: 3 DOI: 10.3390/ma16083257	2023
Clean Energy Based Multigeneration System for Sustainable Cities: Thermodynamic, and Stability Analyses <i>Uzair Bhatti Hamza Aamir Khurram Kamal Tahir Abdul Hussain Ratlamwala Fahad Alqahtani Mohammed Alkahtani Emad Mohammad Moath Alatefi</i> <i>Membranes</i> , Volume 13(3), Article Number 358 Impact Factor: 4.562 Quartile: 1 Citations: 4 DOI: https://doi.org/10.3390/membranes13030358	2023
Tool Health Monitoring of a Milling Process Using Acoustic Emissions and a ResNet Deep Learning Model <i>Mustajab Ahmed Khurram Kamal Tahir Abdul Hussain Ratlamwala Ghulam Hussain Mejdal Alqahtani Mohammed Alkahtani Moath Alatefi Ayoub Alzabidi</i> <i>Sensors</i> , Volume 23(6), Article Number 3084 Impact Factor: 3.847 Quartile: 2 Citations: 15 DOI: https://doi.org/10.3390/s23063084	2023
Energy and Exergy Analysis of a Geothermal Sourced Multigeneration System for Sustainable City <i>Sheikh Muhammad Ali Haider Tahir Abdul Hussain Ratlamwala Khurram Kamal Fahad Alqahtani Mohammed Alkahtani Emad Mohammad Moath Alatefi</i> <i>Energies</i> , Volume 16, Issue 4, Article Number 1616 Impact Factor: 3.252 Quartile: 3 Citations: 6 DOI: https://doi.org/10.3390/en16041616	2023
Simulation and modeling of copper-chlorine cycle, molten carbonate fuel cell alongside a heat recovery system named regenerative steam cycle and electric heater with the incorporation of PID controller in MATLAB/SIMULINK <i>Haseeb Kamran Uzair Mudassir Abdul Moiz Ali Khurram Kamal Tahir Abdul Hussain Ratlamwala M Abbas Raza Karam Khan</i> <i>International Journal of Hydrogen Energy</i> , Article in Press Impact Factor: 7.139 Quartile: 2 Citations: 5 DOI: https://doi.org/10.1016/j.ijhydene.2022.04.178	2022
Modeling and Simulation of Solid Oxide Fuel Cell Integrated with Anaerobic Digester, Thermal Storage Unit and Solar Collector: A Net Zero Emission System <i>Muhammad Nihal Naseer Khurram Kamal Muhammad Abid Asif Iqbal Hamdullah Khan Ch. Muhammad Zubair Sagar Kumar Tahir Abdul Hussain Ratlamwala Malik Muhammad Nauman</i> <i>International Journal of Photoenergy</i> , Volume 2022, Article ID 8790631, 17 pages Impact Factor: 2.535 Quartile: 3 Citations: 1 DOI: https://doi.org/10.1155/2022/8790631	2022
Fault classification of power plants using artificial neural network <i>Muhammad Sabbar Hassan Khurram Kamal Tahir Abdul Hussain Ratlamwala</i> <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , Volume 44, No. 3, Pages 7665-7680 Impact Factor: 2.902 Quartile: 3 Citations: 4 DOI: 10.1080/15567036.2022.2113936	2022
Aerodynamic Analyses of Airfoils Using Machine Learning as an Alternative to RANS Simulation <i>Shakeel Ahmed Khurram Kamal Tahir Abdul Hussain Ratlamwala Senthana Mathavan Ghulam Hussain Mohammed Alkahtani Marwan Bin Muhammad Alsultan</i> <i>Applied Sciences</i> , Volume 12(10), Article Number 5194 Impact Factor: 2.9 Quartile: 2 Citations: 21 DOI: https://doi.org/10.3390/app12105194	2022
Pothole 3D Reconstruction With a Novel Imaging System and Structure From Motion Techniques <i>Adeel Ahmed Moez Ashfaq Muhammad Uzair Ul Haq Senthana Mathavan Khurram Kamal Mujib Rahman</i>	2022

Impact Factor: 6.492 | **Quartile:** 2 | **Citations:** 39

DOI: 10.1109/TITS.2021.3054026

Prediction of fatigue crack growth rate in aircraft aluminum alloys using optimized neural networks

2022

Hassan Bin Younis Khurram Kamal Muhammad Fahad Sheikh Ameer Hamza

Theoretical and Applied Fracture Mechanics, Volume 117, Article Number 103196

Impact Factor: 4.017 | **Quartile:** 1 | **Citations:** 49

DOI: <https://doi.org/10.1016/j.tafmec.2021.103196>

A Hybrid Approach for Noise Reduction in Acoustic Signal of Machining Process Using Neural Networks and ARMA Model

2021

Tayyab Zafar Khurram Kamal Ghulam Hussain Mohammed Alkahtani Fahad M. Alqahtani Mohamed K. Aboudaif Senthana Mathavan

Sensors, Volume 21(23), Article Number 8023

Impact Factor: 3.576 | **Quartile:** 1 | **Citations:** 8

DOI: 10.3390/s21238023

Corrosion detection and severity level prediction using acoustic emission and machine learning based approach

2021

Muhammad Fahad Sheikh Khurram Kamal Faheem Rafique Salman Sabir Hassan Zaheer Kashif Khan

Ain Shams Engineering Journal, Volume 12, Issue 4, Pages 3891-3903

Impact Factor: 3.180 | **Quartile:** 2 | **Citations:** 55

DOI: <https://doi.org/10.1016/j.asej.2021.03.024>

Failure classification in natural gas pipe-lines using artificial intelligence: A case study

2021

Abdul Manan Khurram Kamal Tahir Abdul Hussain Ratlamwala Muhammad Fahad Sheikh Abdul Ghani Abro Tayyab Zafar

Energy Reports, Volume 7, Pages 7640-7647

Impact Factor: 6.870 | **Quartile:** 1 | **Citations:** 20

DOI: <https://doi.org/10.1016/j.egyr.2021.10.093>

Power prediction of waste heat recovery system for a cement plant using back propagation neural network and its thermodynamic modeling

2021

Ahmer Ali Khurram Kamal Tahir Abdul Hussain Ratlamwala Muhammad Fahad Sheikh Muhammad Arsalan

International Journal of Energy Research, Volume 45(6), Pages 9162-9178

Impact Factor: 4.672 | **Quartile:** 1 | **Citations:** 10

DOI: <https://doi.org/10.1002/er.6444>

Tool Health Monitoring Using Airborne Acoustic Emission and Convolutional Neural Networks: A Deep Learning Approach

2021

Khurram Kamal Tahir Abdul Hussain Ratlamwala Ghulam Hussain Muhammad Arslan Muhammad Fahad Sheikh Mahmood Anwar Khan Mohammed Alkahtani

Applied Sciences, Volume 11(6), Article Number 2734

Impact Factor: 2.838 | **Quartile:** 2 | **Citations:** 7

DOI: <https://doi.org/10.3390/app11062734>

Modeling and Simulation of a Proton Exchange Membrane Fuel Cell Alongside a Waste Heat Recovery System Based on the Organic Rankine Cycle in MATLAB/SIMULINK Environment

2021

Sharjeel Ashraf Ansari Mustafa Khalid Khurram Kamal Tahir Abdul Hussain Ratlamwala Ghulam Hussain Mohammed Alkahtani

Sustainability, Volume 13(3), Article Number 1218

Impact Factor: 3.889 | **Quartile:** 2 | **Citations:** 40

DOI: <https://doi.org/10.3390/su13031218>

Stereo-Based 3D Reconstruction of Potholes by a Hybrid, Dense Matching Scheme

2019

Muhammad Uzair Ul Haq Moez Ashfaq Senthana Mathavan Khurram Kamal Adeel Ahmed

IEEE Sensors Journal, Volume: 19, Issue: 10, Pages 3807-3817

Impact Factor: 3.073 | **Quartile:** 2 | **Citations:** 31

DOI: DOI: 10.1109/JSEN.2019.2898375

Optimization of aircraft maintenance routing using uninformed and informed search algorithms

2019

Ali Babar K. Kamal M. Usman Mah-e-Zehra

International Journal of Mechanical Engineering and Robotics Research, Vol. 8, No. 1, Pages 141-145

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

DOI: 10.18178/ijmerr.8.1.141-145

Performance assessment of Kinect as a sensor for pothole imaging and metrology

2018

Khurram Kamal Senthana Mathavan Tayyab Zafar Imran Moazzam Ahsan Ali S. Usman Ahmad Mujib Rahman
International Journal of Pavement Engineering, Volume 19, Issue 7, Pages 565-576

Impact Factor: 2.298 | **Quartile:** 1 | **Citations:** 34
DOI: DOI:10.1080/10298436.2016.1187730

Detection of pavement cracks using tiled fuzzy Hough transform

2017

Senthana Mathavan Kanapathippillai Vaheesan Akash Kumar Chanjief Chandrakumar Mujib Rahman Martyn Stonecliffe-Jones Khurram Kamal
Journal Of Electronic Imaging, Volume: 26, Issue: 5, Article Number: 053008

Impact Factor: 0.780 | **Quartile:** 4 | **Citations:** 23
DOI: 10.1117/1.JEI.26.5.053008

Wood defects classification using laws texture energy measures and supervised learning approach

2017

Khurram Kamal Rizwan Qayyum Senthana Mathavan Tayyab Zafar
Advanced Engineering Informatics, Volume 34, Pages 125-135

Impact Factor: 3.358 | **Quartile:** 1 | **Citations:** 89
DOI: <https://doi.org/10.1016/j.aei.2017.09.007>

A neural network based approach for background noise reduction in airborne acoustic emission of a machining process

2017

Tayyab Zafar Khurram Kamal Z. Sheikh S. Mathavan U. Ali H. Hashmi
Journal of Mechanical Science and Technology, Volume 31 (7), Pages 3171-3182

Impact Factor: 1.194 | **Quartile:** 3 | **Citations:** 14
DOI: 10.1007/s12206-017-0606-2

Fast simulated annealing hybridized with quenching for solving job shop scheduling problem

2016

Kashif Akram Khurram Kamal Alam Zeb
Applied Soft Computing, Volume 49, Pages 510-523

Impact Factor: 3.541 | **Quartile:** 1 | **Citations:** 40
DOI: <https://doi.org/10.1016/j.asoc.2016.08.037>

Fast segmentation of industrial quality pavement images using Laws texture energy measures and k-means clustering

2016

Senthana Mathavan Akash Kumar Khurram Kamal Michael Nieminen Hitesh Shah Mujib Rahman
Journal of Electronic Imaging, Volume 25(5), Article Number 053010

Impact Factor: 0.754 | **Quartile:** 4 | **Citations:** 16
DOI: 10.1117/1.JEI.25.5.053010

A Review of Three-Dimensional Imaging Technologies for Pavement Distress Detection and Measurements

2015

Senthana Mathavan Khurram Kamal Mujib Rahman
IEEE Transactions on Intelligent Transportation Systems, Volume 16, Issue 5, Pages 2353-2362

Impact Factor: 2.534 | **Quartile:** 1 | **Citations:** 149
DOI: 10.1109/TITS.2015.2428655

Use of a Self-Organizing Map for Crack Detection in Highly Textured Pavement Images

2015

S. Mathavan M. Rahman S. Mathavan M. Rahman Khurram Kamal
Journal of Infrastructure Systems, Volume 21, Issue 3, Article Number: 04014052

Impact Factor: 1.234 | **Quartile:** 2 | **Citations:** 50
DOI: doi:10.1061/(ASCE)IS.1943-555X.0000237

Pavement Raveling Detection and Measurement from Synchronized Intensity and Range Images

2014

Senthana Mathavan Mujib Rahman M. Stonecliffe-Jones Senthana Mathavan Mujib Rahman M. Stonecliffe-Jones Khurram Kamal
Transportation Research Record, Volume 3, Pages 3-11

Impact Factor: 0.544 | **Quartile:** 4 | **Citations:** 39
DOI: DOI:10.3141/2457-01

Application of texture analysis and Kohonen map for region segmentation of pavement images for crack detection

2012

S. Mathavan M. Rahman Khurram Kamal
Transportation Research Record, Volume 2304(1), Pages 150-157

Impact Factor: 0.442 | **Quartile:** 3 | **Citations:** 6
DOI: <https://doi.org/10.3141/2304-17>

Conference Proceedings

Mathematical Modeling of A Sustainable Energy System for Restaurant Communities: Waste-To-H2 Conversion, Co2 Mitigation, Clean Fuel Production, and Power Generation <i>Syed Muhammad Aun Rizvi Khurram Kamal Tahir Abdul Hussain Ratlamwala Muhammad Fahad Sheikh</i> <i>14th International Conference on Hydrogen Production, res.country(186,)</i> Citations: N/A DOI: https://www.hbku.edu.qa/en/ICH2P23	2023
A Net-Zero Emission System with Biogas-Fed Solid Oxide Fuel Cell for Hydrogen Production to Advance Sustainability in the Textile Industry <i>Baraka Abbas Hooreen Ansari Kabsha Zain Wasifa Umer Abeeha Fatima Khurram Kamal Tahir Abdul Hussain Ratlamwala</i> <i>14th International Conference on Hydrogen Production, res.country(186,)</i> Citations: N/A DOI: https://www.hbku.edu.qa/en/ICH2P23	2023
An Integrated Life Cycle Assessment and Supply Chain Analysis of A Multi-Generation System for Renewable Clean Power and Green Hydrogen Production <i>Tahir Abdul Hussain Ratlamwala Sheikh Muhammad Ali Haider Khurram Kamal</i> <i>14th International Conference on Hydrogen Production, res.country(186,)</i> Citations: N/A DOI: https://www.hbku.edu.qa/en/ICH2P23	2023
Thermodynamic Analysis of A Geothermal Based Integrated Multigeneration System and Prediction of Outputs Via Back Propagation Neural Network using Matlab <i>Abdul Shakoor Tahir Abdul Hussain Ratlamwala Khurram Kamal Assad Anis</i> <i>13th International Conference on Hydrogen Production, res.country(177,)</i> Citations: N/A DOI: Nil	2022
Investigation of Waste Heat Recovery from Proton Exchange Membrane Fuel Cell using Organic Rankine Cycle with Zeotropic <i>Tahir Abdul Hussain Ratlamwala Muhammad Furqan Siddiqui Syed Muhammad Ali Muhammad Muneeb Vohra Abdul Sami Khurram Kamal</i> <i>23rd World Hydrogen Energy Conference, res.country(224,)</i> Citations: N/A DOI: Nil	2022
Comparative Analysis of a Multi-Generation System Using Different Conventional and Nanobased Working Fluids <i>Tahir Abdul Hussain Ratlamwala Hafsa Javed Sana Naseem Khurram Kamal</i> <i>23rd World Hydrogen Energy Conference, res.country(224,)</i> Citations: N/A DOI: Nil	2022
Artificial Intelligence Based Prediction of Outputs of Geothermal Energy Based Multigeneration System <i>Qasim Nawab Haider Syed Muhammad Ali Khurram Kamal Tahir Abdul Hussain Ratlamwala</i> <i>TUBA World Conference on Energy Science and Technology (TUBA WCEST-2021), res.country(224,)</i> Citations: N/A DOI: 10.53478/TUBA.2021.017	2021
Modelling and Simulation of Molten Carbonate Fuel Cell and Copper-Chlorine Cycle Based Power Generation System with The Incorporation of PID Controller <i>Haseeb Kamran Uzair Mudassir Abdul Moiz Ali M Abbas Raza Karam Khan Khurram Kamal Tahir Abdul Hussain Ratlamwala</i> <i>TUBA World Conference on Energy Science and Technology (TUBA WCEST-2021), res.country(224,)</i> Citations: N/A DOI: 10.53478/TUBA.2021.017	2021
Automated MACHINE Tool Prognostics for Turning Operation using Acoustic Emission and Learning Vector Quantization. <i>M. Arslan Khurram Kamal M. Fahad Senthana Mathavan M. A Khan</i> <i>2019 5th International Conference on Control, Automation and Robotics (ICCAR), res.country(48,)</i> Citations: N/A DOI: 2019 5th International Conference on Control, Automation and Robotics (ICCAR)	2019
Automated MACHINE Tool Prognostics for Turning Operation using Acoustic Emission and Learning Vector Quantization. <i>M. Arslan Khurram Kamal M. Fahad Senthana Mathavan M A Khan</i> <i>2019 5th International Conference on Control, Automation and Robotics (ICCAR), res.country(48,)</i>	2019

Citations: N/A DOI: 10.1109/ICCAR.2019.8813739	
Biometric Identification Through ECG Signal Using a Hybridized Approach <i>Ubaid-ur-Rehman Khurram Kamal Javaid Iqbal Muhammad Fahad Sheikh</i> <i>ICCAI '19: 2019 5th International Conference on Computing and Artificial Intelligence</i> , res.country(100,)	2019
Citations: N/A DOI: https://doi.org/10.1145/3330482.3330496	
A meticulous approach for selection of airfoils to prepare a blended wing body aircraft <i>Qais H Suhail H Nayyer J Younis Khurram Kamal</i> <i>INTERNATIONAL MECHANICAL ENGINEERING CONFERENCE -2019</i> , res.country(177,)	2019
Citations: N/A DOI: https://imec.neduet.edu.pk/sites/default/files/Proceeding%20IMEC-2019.pdf	
Prediction of fatigue crack growth rate in aircraft aluminum alloys using radial basis function neural network. <i>Hassaan Bin Younis Muhammad Fahad Sheikh Amir Hamza Tayyab Zafar Khurram Kamal</i> <i>2018 10th International Conference on Advanced Computational Intelligence (ICACI)</i> , res.country(48,)	2018
Citations: N/A DOI: 10.1109/ICACI.2018.8377568	
Road crack detection using the particle filter. <i>Khurram Kamal Nida Hassan S.Mathavan</i> <i>Automation and Computing (ICAC), 2017 23rd International Conference on(pp. 1-5). IEEE.</i> , res.country(231,)	2017
Citations: N/A DOI: 10.23919/IConAC.2017.8082050	
Identifying tree species from google earth imagery: Detection of Palmyra trees in northern Sri Lanka. <i>Senthan Mathavan Khurram Kamal</i> <i>Automation and Computing (ICAC), 2017 23rd International Conference on(pp. 1-5). IEEE.</i> , res.country(231,)	2017
Citations: N/A DOI: https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8081957	
An Inspection Approach for Casting Defects Detection Using Image Segmentation <i>Faisal Riaz Rizwan Qayyum Khurram Kamal Tayyab Zafar</i> <i>International Conference on Mechanical, System and Control Engineering</i> , res.country(190,)	2017
Citations: N/A DOI: 10.1109/ICMSC.2017.7959451	
Wood Defects Classification using GLCM Based Features and PSO Trained Neural Network <i>R. Qayyum Khurram Kamal Tayyab Zafar S. Mathavan</i> <i>22nd IEEE International Conference on Automation and Computing</i> , res.country(231,)	2016
Citations: N/A DOI: 10.1109/IConAC.2016.7604931	
Control of a Ball-Bot using a PSO Trained neural network <i>M. Shaheer H. Hashmi S. Khan M. Atif Z. Shabbir A. Ali Khurram Kamal Tayyab Zafar A. Awan</i> <i>2nd International Conference on Control, Automation and Robotics</i> , res.country(94,)	2016
Citations: N/A DOI: 10.1109/ICCAR.2016.7486692	
Stabilization of 3D pavement images for pothole metrology using the Kalman filter <i>Abdullah Rasheed Khurram Kamal Tayyab Zafar Senthan Mathavan Mujib Rahman</i> <i>18th IEEE International Conference on Intelligent Transportation Systems</i> , res.country(68,)	2015
Citations: N/A DOI: 10.1109/ITSC.2015.429	
Tool Health Monitoring for Wood Milling Process using Airborne Acoustic Emission <i>Tayyab Zafar Khurram Kamal Z. Sheikh S. Mathavan A. Jehanghir U. Ali</i> <i>11th Annual IEEE International Conference on Automation Science and Engineering</i> , res.country(196,)	2015
Citations: N/A DOI: 10.1109/CoASE.2015.7294315	
Stabilization of an Aerial Robot for Indoor Environments using a Vision-based Approach <i>Akash Kumar Khurram Kamal Tayyab Zafar M. Abbas Kararvi Hassaan Afzal Asad Naseer Senthan Mathavan</i>	2015

7th IEEE International Conference on Fluid Power and Mechatronics, res.country(48,)

Citations: N/A

DOI: 10.1109/FPM.2015.7337230

A Bio Inspired UAV Model based on Corvus Splendens

2015

A. Jameel S. Khalid S.Khalid Khurram Kamal Anas Aqeel S. Mathavan T. Awais Tayyab Zafar

7th IEEE International Conference on Fluid Power and Mechatronics, res.country(48,)

Citations: N/A

DOI: 10.1109/FPM.2015.7337223

Tool Health Monitoring using Airborne Acoustic Emission and a PSO-optimized Neural Network

2015

Tayyab Zafar Khurram Kamal R Kumar Z Sheikh S Mathavan U. Ali

2nd IEEE International Conference on Cybernetics, res.country(178,)

Citations: N/A

DOI: 10.1109/CYBConf.2015.7175945

Book Chapters

Multiobjective particle swarm optimization of geothermal power plants

2021

Khurram Kamal Tahir Abdul Hussain Ratlamwala Muhammad Afzal Sheikh Sharjeel AshrafAnsari Muhammad NoumanSaleem

In: *Thermodynamic Analysis and Optimization of Geothermal Power Plants*, Chapter 15, Pages 249-262

Citations: 2

DOI: <https://doi.org/10.1016/B978-0-12-821037-6.00016-0>

Editorial Activities

2020

Reviewed Papers for Journals

Impact Factor: 4.139

2020

Reviewed Papers for Journals

Impact Factor: -

2020

Reviewed Papers for Journals

Impact Factor: 6.725

2020

Reviewed Papers for Journals

Impact Factor: 4.139

2020

Reviewed Papers for Journals

Impact Factor: 6.725

2019

Reviewed Papers for Journals

Impact Factor: 6.725

2019

Reviewed Papers for Journals

Impact Factor: 4.139

2019

Reviewed Papers for Journals

Impact Factor: 5.603

2018

Reviewed Papers for Journals

2018

Reviewed Papers for Journals

Impact Factor: 2.218

2018

Reviewed Papers for Journals

Impact Factor: 2.218

