

Amer Sohail Kashif

Associate Professor
School of Mechanical & Manufacturing Engineering
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About

Dr. Amer Sohail Kashif is working as Associate Professor in the School of Mechanical & Manufacturing Engineering. Dr. Amer Sohail Kashif has a PhD in Bioengineering. Dr. Amer Sohail Kashif has published 23 research articles & conference papers having a citation count of 258, carried out 3 projects and filed 0 intellectual property.

Qualifications

PhD in Bioengineering University of Canterbury , New Zealand	2010 - 2013
MS in Electrical Engineering UET Peshawar , Pakistn (Duplicate)	2010 - 2008
BSc in Electrical Engineering UET Lahore , Pakistan	1987 - 1992

Experience

Associate Professor School of Mechanical & Manufacturing Engineering	2024- Present
Associate Professor School of Mechanical & Manufacturing Engineering	2023 - 2023
Associate Professor School of Mechanical & Manufacturing Engineering	2022 - 2023
Defence Faculty School of Mechanical & Manufacturing Engineering	2019 - 2022
Lt Col 502 Central Workshop, EME , Adyala Road, Rawalpindi	2016 - 2019
3 years College of E&ME , Peshawar Road, Rawalpindi	2013 - 2016
PhD Scholar University of Canterbury , Christchurch, New Zealand	2010 - 2013
Deputy Assistant Director Pakistan Army , EME Directorate	2008 - 2010
Major Corps of EME , Peshawar, Kharian	2003 - 2008
Captain Airport Security Force (ASF) , Karachi	2000 - 2003
Captain Pakistan Army , Multan, Gujranwala	1996 - 2000
Captain NUST College of E&ME , Peshawar Road, Rawalpindi	1995 - 1996
Captain EME Bn , Kohat	1994 - 1995

Awards

Tamgha-i-Imtiaz
Military

Research Projects

National Projects

Development of Electro-Medical Devices starting with Dialysis Machine	2023
Funding Agency: NUST	
Amount: PKR 35,000,000.00	
Status: Approved_inprocess	
Design & Development of a Prototype Linear Motor Drive	2022
Funding Agency: Defence R&D Dte	
Amount: PKR 4,700,000.00	
Status: Approved_inprocess	
Conversion of Conventional X-ray Machine to Digital Radiography (DR) System	2022
Funding Agency: HEC	
Amount: PKR 9,360,000.00	
Status: Approved_inprocess	

International Projects

Research Articles

Development of Residual Dense U-Net (RDU-Net)-Based Metal Artefacts Reduction Technique Using Spectral Photon Counting CT	2024
Osama Khan Briya Tariq Nadine Francis Nabil Maalej Abderaouf Behouch Amer Sohail Kashif Muhammad Asim Waris Aamir Raja	
IEEE Access , Volume 12, Pages 109735-109749	
Impact Factor: 3.400 Quartile: 2 Citations: 1	
DOI: 10.1109/ACCESS.2024.3439861	
Silymarin Encapsulated Liposomal Formulation: An Effective Treatment Modality against Copper Toxicity Associated Liver Dysfunction and Neurobehavioral Abnormalities in Wistar Rats	2023
Tuba Maryam Nosheen Fatima Rana Sultan Alshahrani Farhat Batool Misha Fatima Tahreem Tanweer Salma Alrdahe Yasmene Alanazi Ifat Alsharif Fatima S. Alaryani Amer Sohail Kashif Farid Menaa	
Molecules , Volume 28(3), Article Number 1514	
Impact Factor: 4.6 Quartile: 2 Citations: 15	
DOI: https://doi.org/10.3390/molecules28031514	
The effects of surface inclination on gastrocnemius, soleus and tibialis anterior muscle activation during gait	2022
Reem Javed Malik Muhammad Asim Waris Syed Omer Gilani Javaid Iqbal Amer Sohail Kashif Hamid Kamboh Fazeel Ghafoor	
Journal of Back and Musculoskeletal Rehabilitation , vol. Pre-press, no. Pre-press, pp. 1-6, 2022	
Impact Factor: 1.456 Quartile: 4 Citations: 2	
DOI: 10.3233/BMR-210371	
DEAE-Dextran Coated AgNPs: A Highly Blendable Nanofiller Enhances Compressive Strength of Dental Resin Composites	2022
Nosheen Fatima Rana Amer Sohail Kashif Tahreem Tanweer Iqra Shafique Shabia Azhar Farid Menaa	
Polymers , Volume 14(15), Article Number 3143	
Impact Factor: 4.967 Quartile: 1 Citations: 13	
DOI: https://doi.org/10.3390/polym14153143	
Effect of Prone Positioning As Modality for Improvement in Bedside Oxygen Saturation in Awake Non-Intubated COVID-19 Patients and Its Relationship With High Resolution CT Chest Severity Score	2022
Amer Sohail Kashif Uzma Qayyum Naghmana Akhtar Shazia Nisar Ayesha Qayyum Amina Hussain	
Pakistan Armed Forces Medical Journal , Volume 72, Issue 1, Pages 223-226	
Impact Factor: N/A	
DOI: https://doi.org/10.51253/pafmj.v72i1.5920	
Decoding of Ankle Joint Movements in Stroke Patients Using Surface Electromyography	2021
Amer Sohail Kashif Mads Jochumsen Imran Khan Niazi Syed Omer Gilani Asim Waris Javaid Iqbal Afaq Noor	

Sensors , Volume 21(5), Article Number 1575

Impact Factor: 3.847 | **Quartile:** 2 | **Citations:** 7

DOI: 10.3390/s21051575

Evaluation of windowing techniques for intramuscular EMG-based diagnostic, rehabilitative and assistive devices

2021

Asim Waris Syed Omer Gilani Mohsin Jamil Amer Sohail Kashif Hassan Ashraf Mads Jochumsen Imran Khan Niazi

Journal of Neural Engineering , Volume 18, Article Number 016017

Impact Factor: 5.043 | **Quartile:** 2 | **Citations:** 13

DOI: 10.1088/1741-2552/abcc7f

Skin Lesion Segmentation from Dermoscopic Images Using Convolutional Neural Network

2020

Kashan Zafar Syed Omer Gilani Asim Waris Ali Ahmed Mohsin Jamil Muhammad Nasir Khan Amer Sohail Kashif

Sensors , Volume 20(6), Article Number 1601

Impact Factor: 3.576 | **Quartile:** 1 | **Citations:** 105

DOI: <https://doi.org/10.3390/s20061601>

Efficient FIR Filter Implementations for Multichannel BCIs Using Xilinx System Generator

2018

Usman Ghani Muhammad Wasim Umar Shahbaz Khan Muhammad Mubasher Saleem Ali Hassan Nasir Rashid Mohsin Islam Tiwana Amir Hamza Amir Kashif

BioMed Research International , Volume 2018, Article ID 9861350, 9 pages

Impact Factor: 2.197 | **Quartile:** 3 | **Citations:** 6

DOI: <https://doi.org/10.1155/2018/9861350>

Reconstructing 3-D Skin Surface Motion for the DIET Breast Cancer Screening System

2014

T. Botterill Thomas F. Lotz Amer Sohail Kashif J. Chase

IEEE Transactions on Medical Imaging , Volume 33, No. 5, Pages 1109-1118

Impact Factor: 3.390 | **Quartile:** 1 | **Citations:** 32

DOI: 10.1109/TMI.2014.2304959

Separate modal analysis for tumor detection with a digital image elasto tomography (DIET) breast cancer screening system.

2013

Amer S. Kashif Thomas F. Lotz Adrianus M. W. Heeren James G. Chase

Medical Physics , Volume 40(11), Pages 113503-1-8

Impact Factor: 3.012 | **Quartile:** 1 | **Citations:** 19

DOI: <https://doi.org/10.1118/1.4826168>

Silicone breast phantoms for elastographic imaging evaluation

2013

Amer S. Kashif Thomas F. Lotz Matthew D. McGarry Adam J. Pattison James G. Chase

Medical Physics , Volume 40(6), Article Number 063503

Impact Factor: 3.012 | **Quartile:** 1 | **Citations:** 33

DOI: <https://doi.org/10.1118/1.4805096>

- Application of Separate Modal Analysis and Scale-Invariant Feature Transform on Clinical Data for the Screening of Breast Cancer** 2021
Amer Sohail Kashif Mubashir Hussain Jingzhou Zhao Ali Hassan Hamood Ud Rahman Yongjun Tang
2021 IEEE International Conference on Information Communication and Software Engineering (ICICSE), res.country(48,)
Citations: N/A
DOI: 10.1109/ICICSE52190.2021.9404094
- Integrated AFS and DYC using predictive controller for vehicle handling improvement** 2021
Muhammad Wasim Amer Sohail Kashif Ahsan Ali Faisal Saleem
International Bhurban Conference on Applied Sciences and Technologies (IBCAST), res.country(177,)
Citations: N/A
DOI: 10.1109/IBCAST51254.2021.9393193
- Bond Graph Modeling of Lungs** 2018
Adeela Arshad Amer Sohail Kashif Muhammad Wasim Naveed Mazhar Syed M. Tahir Zaidi
2018 International Conference on Computing, Electronic and Electrical Engineering (ICE Cube), res.country(177,)
Citations: N/A
DOI: 10.1109/ICECUBE.2018.8610994
- Modelling Inspiration and Expiration Mechanism of Lung using Bond Graph** 2018
Tahir Zaidi Adeela Arshad Amer Sohail Kashif Muhammad Wasim Naveed Mazhar
2018 IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), res.country(38,)
Citations: N/A
DOI: 10.1109/IEMCON.2018.8615031
- Indoor Localization using Improved Multinomial Naïve Bayes Technique** 2016
Muhammad Aziz Ul Haq Hammid Mehmood Allahdita Kamboh Usman Akram Amer Sohail Kashif Hifsa Iram
Third International Afro-European Conference for Industrial Advancement., res.country(136,)
Citations: N/A
DOI: https://doi.org/10.1007/978-3-319-60834-1_32
- H-infinity control via scenario optimization for handling and stabilizing vehicle using AFS control** 2016
Dr Amer Sohail Kashif Muhammad Waseem Asad Ullah Awan Muhammad Mohsin Khan Muhammad Wasif Waqar Ali
2016 International Conference on Computing, Electronic and Electrical Engineering (ICE Cube), res.country(177,)
Citations: N/A
DOI: 10.1109/ICECUBE.2016.7495243
- Predictive control for improving vehicle handling and stability.** 2016
Muhammad Wasim Amer Kashif Asad Ullah Awan Muhammad Mohsin Khan Syed M. Tahir Zaidi
2016 International Conference on Intelligent Systems Engineering (ICISE), res.country(177,)
Citations: N/A
DOI: 10.1109/INTELSE.2016.7475127
- Digitally Imaged Elasto Tomography A unique, new approach to breast cancer screening** 2015
Amer Sohail Kashif Tahir Zaidi Thomas Lotz James Geoffrey Chase
Third International Conference on Advances in Mechanical and Robotics Engineering- AMRE 2015, res.country(43,)
Citations: N/A
DOI: 10.15224/978-1-63248-066-8-54
- Separate Modal Analysis using Scale Invariant Feature Transform (SIFT) with Digital Image Elasto Tomography (DIET) for breast cancer screening test** 2015
Amer Sohail Kashif Mubashir Hussain Hamood Ur Rehman Owais Nazir Ali Hassan Muhammad Awais Dildar
2015 International Conference on Informative and Cybernetics for Computational Social Systems (ICCSS), res.country(48,)
Citations: N/A
DOI: 10.1109/ICCSS.2015.7281162
- A Clinical Prototype of the Digital Image Elasto Tomography Breast Cancer Screening System** 2011
Thomas Lotz Amer Kashif Sheng Feng Pierrick Biret Yohann Denais Damien Lottin Laura Maillard Thomas Tirschler J Geoffrey Chase
2011 5th International Conference on Bioinformatics and Biomedical Engineering, res.country(48,)
Citations: N/A
DOI: 10.1109/icbbe.2011.5780414

Editorial Activities

Nature	2022
Reviewed Papers for Journals	
Impact Factor: 0	
	2021
Reviewed Papers for Journals	
Impact Factor: 0	