

Umer Asgher

Assistant Professor

School of Interdisciplinary Engineering & Sciences

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About

Dr. Umer Asgher is working as Assistant Professor in the School of Interdisciplinary Engineering & Sciences. Dr. Umer Asgher has a PhD in Artificial Intelligence and Brain computer Interface . Dr. Umer Asgher has published 63 research articles & conference papers having a citation count of 406, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Artificial Intelligence and Brain computer Interface NUST, Islamabad , Pakistan	2014 - 2020
MS in MS Computer Engineering with majors in Digital Signals Processing DIP and Telecommunication UET Taxila , Pakistan	2009 - 2012
MS in MS Industrial and Manufacturing Engineering with specialization in Mathematical Modelling and Engineering Optimization NUST, Islamabad , Pakistan	2009 - 2013
BE in Electrical Engineering with majors in Electronics Telecommunication and Digital signals Processing Engineering NUST, Islamabad , Pakistan	1999 - 2003

Experience

Assistant Professor School of Interdisciplinary Engineering & Sciences	2024- Present
Assistant Professor School of Interdisciplinary Engineering & Sciences	2023 - 2024
Deputy Director QA (Academics Audit & Accreditations) University Main Office (UMO)	2023 - 2023
Deputy Director QA (Academics Audit & Accreditations) University Main Office (UMO)	2022 - 2023
Defence Faculty College of Electrical & Mechanical Engineering	2021 - 2022
Adjunct Faculty School of Mechanical & Manufacturing Engineering	2020 - 2021
Asst Professor College of Electrical and Mechanical Engineering (CEME), National University of Sciences and Technology (NUST) , College of Electrical and Mechanical Engineering (CEME), National University of Sciences and Technology (NUST)	2021 - 2022
Adjunct Professor SMME NUST , NUST Islamabad	2020 - 2021
Manager Tech National Logistics Cell (NLC) Ministry of Planning ,Development & Special Initiatives , National Logistics Cell (NLC)	2018 - 2021
Temporary Visiting Faculty SADA NUST , SADA NUST	2015 - 2016
Officer Tech Ops and Eng Mgmt Min of Defence , Electrical and Mechanical Engineers (EME)	2004 - 2018

Research Projects

National Projects

Security Surveillance System - Smart Eye AI	2025
Funding Agency: Pakistan Sciences Academy (PAS)	
Amount: PKR 5,690,000.00	
Status: Approved_inprocess	

International Projects

Research Articles

A Combinatorial Approach for Optimizing Transportation System: Multi-Objective Decision-Making Framework	2024
Manuel-Enrique Coloma-Salazar José Arzola-Ruiz Vladimir Socha Umer Asgher	
Neural Network World, Volume:34 (3), Pages:135-168	
Impact Factor: 0.7 Quartile: 4	
DOI: 10.14311/NNW.2024.34.008	
Predictability of Flight Arrival Times Using Bidirectional Long Short-Term Memory Recurrent Neural Network	2024
Vladimir Socha Miroslav Spak Michal Matowicki Lenka Hanakova Lubos Socha Umer Asgher	
Aerospace, Volume:11, Issue:12, Article Number: 991, Pages:21	
Impact Factor: 2.1 Quartile: 2	
DOI: https://doi.org/10.3390/aerospace11120991	
Enhanced accuracy with Segmentation of Colorectal Polyp using NanoNetB, and Conditional Random Field Test-Time Augmentation	2024
Muhammad Sajjad Hussain Umer Asgher Sajid Nisar Vladimir Socha Arslan Shaukat Jinhui Wang Tian Feng Rehan Zafar Paracha Muhammad Ali Khan	
Frontiers in Robotics and AI, Volume 11, Article Number 1387491	
Impact Factor: 2.900 Quartile: 2	
DOI: https://doi.org/10.3389/frobt.2024.1387491	
Cortical Morphological Networks Differ Between Gyri and Sulci	2024
Qingchun Lin Suhui Jin Guole Yin Junle Li Umer Asgher Shijun Qiu Jinhui Wang	
Neuroscience Bulletin, Pages 1-15	
Impact Factor: 5.900 Quartile: 1 Citations: 1	
DOI: https://doi.org/10.1007/s12264-024-01262-7	
Exploring the effects of automation malfunction on team communication and coordination in ships' engine rooms	2024
Hasan Mahbub Tusher Salman Nazir Steven Mallam Zaili Yang Umer Asgher Risza Rusli	
Process Safety Progress, Volume 43, Issue S1, Pages S50-S62	
Impact Factor: 1.000 Quartile: 4	
DOI: https://doi.org/10.1002/prs.12571	
Visual search strategies of performance monitoring used in action anticipation of basketball players	2023
Yawei Li Tian Feng Fuchun Zhang Umer Asgher Bingbing Yan Tianyu Peng	
Brain and Behavior, Volume 13, Issue 12, Article Number e3298	
Impact Factor: 2.600 Quartile: 2 Citations: 5	
DOI: https://doi.org/10.1002/brb3.3298	
The application of Fuzzy Delphi Method for evaluating biopsychosocial factors for prioritization of patients	2023
Hassan Sikandar Rana Muhammad Umer Uzma Hassan Umer Asgher Faheem Qaisar Jamal Afshan Naseem Nadeem Ehsan	
IJSE Transactions on Healthcare Systems Engineering, Pages 1-14	
Impact Factor: N/A Citations: 5	
DOI: 10.1080/24725579.2023.2215247	
Cerebellar connectome alterations and associated genetic signatures in multiple sclerosis and neuromyelitis optica spectrum disorder	2023
Yuping Yang Junle Li Ting Li Zhen Li Zhizheng Zhuo Xuemei Han Yunyun Duan Guanmei Cao Fenglian Zheng Decai Tian Xinli Wang Xinghu Zhang	
Kuncheng Li Fuqing Zhou Muhua Huang Yuxin Li Haiqing Li Chun Zeng Ningnannan Zhang Jie Sun Chunshui Yu Fudong Shi Umer Asgher Nils Muhlert	
Yaou Liu Jinhui Wang	
Journal of Translational Medicine, Volume 21, Article Number: 352	

Impact Factor: 8.448 Quartile: 1 Citations: 11 DOI: https://doi.org/10.1186/s12967-023-04164-w	
Recognition of Children’s Facial Expressions Using Deep Learned Features <i>Arsalan Shaukat Rizwan Ahmed Khan Zartasha Mustansar Muhammad Usman Akram Umer Asgher Unqua Laraib Electronics</i> , Volume: 12 Issue: 11, Article Number:2416 Impact Factor: 2.690 Quartile: 3 Citations: 7 DOI: 10.3390/electronics12112416	2023
Application of fuzzy TOPSIS for prioritization of patients on elective surgeries waiting list - A novel multi-criteria decision-making approach <i>Hassan Sikandar Rana Muhammad Umer Uzma Hassan Umer Asgher Fabián Silva-Aravena Nadeem Ehsan Decision Making: Applications in Management and Engineering</i>, Volume 6(1), Pages 603-630 Impact Factor: N/A Citations: 21 DOI: https://doi.org/10.31181/dmame060127022023r	2023
Application of hybrid SFLA-ACO algorithm and CAM softwares for optimization of drilling tool path problems <i>Nasir Mehmood Muhammad Umer Umer Asgher SN Applied Sciences</i> , Volume 5, Issue 2, Article Number 61 Impact Factor: 2.800 Quartile: 2 Citations: 3 DOI: https://doi.org/10.1007/s42452-022-05271-x	2023
Multi-Hole Drilling Tool Path Planning and Cost Management through Hybrid SFLA-ACO Algorithm for Composites and Hybrid Materials <i>Nasir Mehmood Muhammad Umer Umer Asgher Journal of Composites Science</i>, Volume 6, Issue 12, Article Number 364 Impact Factor: N/A Citations: 6 DOI: https://doi.org/10.3390/jcs6120364	2022
Application of hybrid SFLA and ACO algorithm to omega plate for drilling process planning and cost management <i>Nasir Mehmood Muhammad Umer Umer Asgher Archives for Technical Sciences</i>, Volume 26(1), Pages 1-12 Impact Factor: N/A DOI: https://doi.org/10.7251/afts.2022.1426.001N	2022
A novel multi-criteria decision-making approach for prioritization of elective surgeries through formulation of “weighted MeNTS scoring system” <i>Hassan Sikandar Rana Muhammad Umer Uzma Hassan Umer Asgher Heliyon</i> , Volume 8, Issue 8, Article Number e10339 Impact Factor: 3.776 Quartile: 2 Citations: 5 DOI: https://doi.org/10.1016/j.heliyon.2022.e10339	2022
Novel fNIRS study on homogeneous symmetric feature-based transfer learning for brain–computer interface <i>Khurram Khalil Umer Asgher Yasar Ayaz Scientific Reports</i> , Volume 12, Issue 1, Article Number 3198 Impact Factor: 4.379 Quartile: 1 Citations: 27 DOI: 10.1038/s41598-022-06805-4	2022
Motor Training Using Mental Workload (MWL) With an Assistive Soft Exoskeleton System: A Functional Near-Infrared Spectroscopy (fNIRS) Study for Brain–Machine Interface (BMI) <i>Umer Asgher Muhammad Jawad Khan Muhammad Hamza Asif Nizami Khurram Khalil Riaz Ahmad Yasar Ayaz Noman Naseer Muhammad Hamza Asif Nizami Frontiers in Neurorobotics</i>, Volume 15, Article Number 605751 Impact Factor: 2.650 Quartile: 2 Citations: 20 DOI: https://doi.org/10.3389/fnbot.2021.605751	2021
A Preliminary Study on Effectiveness of a Standardized Multi-Robot Therapy for Improvement in Collaborative Multi-Human Interaction of Children With ASD <i>Sara Baber Sial Yasar Ayaz Faisal Mehmood Muhammad Jawad Khan Umer Asgher Haleema Sadia Ernest Edifor Raheel Nawaz IEEE Access</i> , Volume 8, Pages 109466-109474 Impact Factor: 3.367 Quartile: 2 Citations: 14 DOI: 10.1109/ACCESS.2020.3001365	2020

Enhanced Accuracy for Multiclass Mental Workload Detection Using Long Short-Term Memory for Brain-Computer Interface <i>Muhammad Jawad Khan Umer Asgher Khurram Kahlil Riaz Ahmad Shahid Ikram Ullah Butt Yasar Ayaz Noman Naseer Salman Nazir</i> <i>Frontiers in Neuroscience</i> , Volume 14, Article Number: 584 Impact Factor: 4.677 Quartile: 2 Citations: 75 DOI: 10.3389/fnins.2020.00584	2020
Assessment and Classification of Mental Workload in the Prefrontal Cortex (PFC) using Fixed-Value Modified Beer-Lambert Law <i>Umer Asgher RIAZ AHMAD Noman Naseer Yasar Ayaz Muhammad Jawad Khan Muhammad Kamal Amjad</i> <i>IEEE Access</i> , Volume 7, Pages 143250-143262 Impact Factor: 3.745 Quartile: 1 Citations: 37 DOI: DOI: 10.1109/ACCESS.2019.2944965	2019
Recent Research Trends in Genetic Algorithm based Flexible Job Shop Scheduling Problems <i>Shahid Ikramullah Butt Rubeena Kousar Riaz Ahmad Zhang Faping Naveed Anjum Umer Asgher Muhammad Kamal Amjad Mujtaba Hassan Agha</i> <i>Mathematical Problems in Engineering</i> , Article Number 9270802, 32 pages Impact Factor: 1.179 Quartile: 3 Citations: 120 DOI: 10.1155/2018/9270802	2018
Intelligent Machine Vision based Modeling and Positioning System in Sand Casting Process <i>Umar Mushtaq Mohsin Jamil Muhammad Kamal Amjad Shahid Ikramullah Butt Umer Asgher Riaz Ahmad Faping Zhang Yasar Ayaz</i> <i>Advances in Materials Science and Engineering</i> , Volume 2017, Article Number 3192672 Impact Factor: 1.372 Quartile: 3 Citations: 10 DOI: DOI:10.1155/2017/3192672	2017
Computational fluid dynamics for the nordic combined skiing jump <i>Nicolas Gardan J. Laheurte E. Gouy Nilanjan Dey E. Abdi Umer Asgher M. A Choukou A. Schneider R. Taiar</i> <i>Series on Biomechanics</i> , Volume 29, No. 2-3, Pages 31-38 Impact Factor: N/A DOI: EID: 2-s2.0-85019397165	2015
Environmental Impact Assessment for an Industrial Solid Waste Deposit Located in Constanta Harbour <i>Octavian Valerian Bold Roland Iosif Moraru Janusz Grabara Umer Asgher</i> <i>Annals of Faculty Engineering Hunedoara - International Journal of Engineering</i> , Volume 13, No. 2, Pages 61-67, Impact Factor: - DOI: -	2015

Conference Proceedings

Socio-Cultural Factors of Industrial Workers in Low-Middle Income Countries (LMIC): Pilot Study <i>Umer Asgher Sara Ali Yasar Ayaz Sofia Scataglini Salman Nazir Usama Rashed Ellie Abdi Fahad Iqbal Khawaja Redha Taiar José Arzola-Ruiz</i> <i>14th International Conference on Applied Human Factors and Ergonomics (AHFE 2023) and the Affiliated Conferences</i> , res.country(233,)	2023
Barriers in the Implementation of Effective Intelligent Knowledge Management in the Pakistani Organizations <i>Amna Zia Umer Asgher</i> <i>2022 International Conference on Emerging Trends in Smart Technologies, ICETST 2022</i> , res.country(282,)	2022
Image Classification for Project-based Learning to Differentiate Diagrams and Figures <i>Asmara Safdar Sara Ali Muhammad Sajid Umer Asgher Yasar Ayaz</i> <i>International Conference on Applied Human Factors and Ergonomics and the Affiliated Conferences</i> , res.country(233,)	2022
Novel Approach for Sensing the Humanoid Hand Finger Position Using Non-contact TMR Sensor <i>Saeed Iqbal Shahid Nawaz Khan Muhammad Sajid Sara Ali Khawaja Fahad Iqbal Umer Asgher Yasar Ayaz</i> <i>International Conference on Applied Human Factors and Ergonomics (AHFE) 2022</i> , res.country(233,)	2022

A Chain-Driven Live Roller Mechanism for Loading and Unloading Packages on Autonomous Mobile Robots in Warehouses <i>Muhamad Ammar Muhammad Moeed Ahmed Muhammad Abdullah Younas Khezar Qayyum Khawaja Fahad Iqbal Sara Ali Umer Asgher Yasar Ayaz International Conference on Applied Human Factors and Ergonomics (AHFE) 2022, res.country(233,)</i> Citations: N/A DOI: http://doi.org/10.54941/ahfe1001600	2022
Personality Prediction in Human-Robot-Interaction (HRI) <i>Anum Jaffer Sara Ali Khawaja Fahad Iqbal Yasar Ayaz Muhammad Sajid Umer Asgher International Conference on Applied Human Factors and Ergonomics (AHFE) 2022, res.country(233,)</i> Citations: N/A DOI: http://doi.org/10.54941/ahfe1001601	2022
Human-Computer Interaction (HCI) Approach for the Optimal Generation and Selection of Batches Destination Options in Steel Making Factories <i>Denis-Joaquín Zambrano-Ortiz José Arzola-Ruiz Rosa-Mariuxi Litardo-Velásquez Umer Asgher AHFE Conferences on Neuroergonomics and Cognitive Engineering, Industrial Cognitive Ergonomics and Engineering Psychology, and Cognitive Computing and Internet of Things , res.country(233,)</i> Citations: N/A DOI: 10.1007/978-3-030-80285-1_45	2021
Changes in Prefrontal Cortex and Skeletal Muscle Metabolism Associated with Muscle Fatigue: An FNIRS Study <i>Noriyuki Oka Umer Asgher Advances in Intelligent Systems and Computing, res.country(233,)</i> Citations: N/A DOI: 10.1007/978-3-030-51041-1_32	2020
Efficient Extreme Learning Machine (ELM) Based Algorithm for Electrocardiogram (ECG) Heartbeat Classification <i>Khurram Khalid Umer Asgher Yasar Ayaz Riaz Ahmad Salman Nazir Sara Babar Sofia Scataglini Noriyuki Oka AHFE Virtual Conferences on Neuroergonomics and Cognitive Engineering, and Industrial Cognitive Ergonomics and Engineering Psychology, 2020, res.country(233,)</i> Citations: N/A DOI: 10.1007/978-3-030-51041-1_41	2020
Feature Based Comparative Analysis of Online Malware Scanners (OMS) <i>Ahmed Husnain Johar Akash Gerard Nawal Athar Umer Asgher Advances in Intelligent Systems and Computing, res.country(233,)</i> Citations: N/A DOI: 10.1007/978-3-030-51041-1_51	2020
A Methodology for Integrating Project Based Learning Outcomes and Attributes via Questionnaire <i>Sara Babar Muhammad Sajid Yasar Ayaz Umer Asgher Advances in Intelligent Systems and Computing, res.country(233,)</i> Citations: 1 DOI: 10.1007/978-3-030-51041-1_49	2020
Mathematical Modeling and Optimization of Downdraft Gasifiers Using Artificial Neural Networks (ANN) and Stochastic Programming Techniques <i>Umer Asgher Jose Arzola Ruiz E. R. Gutiérrez-Gualotuña Yasar Ayaz Muhammad Sajid Khurram Khalil Sara Babar Advances in Intelligent Systems and Computing, res.country(233,)</i> Citations: N/A DOI: 10.1007/978-3-030-51041-1_50	2020
Organizational Socialization: An Important Factor for Knowledge Creation in Knowledge Based Industrial Organizations and Enterprises <i>Khurram Khalil Umer Asgher Mahmoona Khalil Umer Asgher Kausar Khawaja Yasar Ayaz Salman Nazi Noriyuki Oka Jose Arzola Ruiz Muhammad Sajid Conferences on Neuroergonomics and Cognitive Engineering, and Industrial Cognitive Ergonomics and Engineering Psychology, 2020, res.country(233,)</i> Citations: 1 DOI: DOI: 10.1007/978-3-030-51041-1_59	2020
Investigation of EEG Correlate in NIRS Signal for BCI <i>Ahmed Husnain Johar Talha Yousaf Umer Asgher Yasar Ayaz Salman Nazir Muhammad Jawad Khan Lala Mustafa Khurram Khalil International Conference on Applied Human Factors and Ergonomics (AHFE 2020), res.country(233,)</i>	2020

Citations: N/A DOI: DOI: 10.1007/978-3-030-51041-1_42	
An Empirical Study on Organizational Socialization and its Relationship with Employees' Age and the Knowledge Management <i>Khurram Khalil Umer Asgher Mahmoona Khalil Kausar Khawaja Yasar Ayaz Salman Nazir Noriyuki Oka Jose Arzola Ruiz</i> <i>Advances in Neuroergonomics and Cognitive Engineering, International Conference on Applied Human Factors and Ergonomics (AHFE 2020),</i> <i>res.country(233,)</i>	2020
Citations: N/A DOI: DOI: 10.1007/978-3-030-51041-1_47	
Detection of Subject Attention in an active environment through Facial Expressions using Deep Learning Techniques and Computer Vision <i>Ahmed Husnain Johar Imran Malik Faisal Shafait Naqash Gerard Talha Yousuf Umer Asgher Adnan Ul Hasan</i> <i>11th International Conference on Applied Human Factors and Ergonomics, res.country(233,)</i>	2020
Citations: N/A DOI: 10.1007/978-3-030-51041-1_43	
Multi-level Optimization of Reactive Power Compensation in Industrial Nets with Heuristic Modelling Techniques <i>Yasar Ayaz Muhammad Sajid Sara Ali Umer Asgher Jose Arzola Ruiz Khurram Khalil</i> <i>AHFE Virtual Conferences on Neuroergonomics and Cognitive Engineering, and Industrial Cognitive Ergonomics and Engineering Psychology, 2020,</i> <i>res.country(233,)</i>	2020
Citations: N/A DOI: 10.1007/978-3-030-51041-1_57	
Cognitive Computing for Human-Machine Interaction: An IBM Watson Implementation <i>Yasar Ayaz Sara Ali Muhammad Sajid Khurram Khalil Umer Asgher Riaz Ahmad Jose Arzola Ruiz Noriyuki Oka</i> <i>International Conference on Applied Human Factors and Ergonomics, res.country(233,)</i>	2020
Citations: 5 DOI: 10.1007/978-3-030-51041-1_53	
Effect of Paired Stimuli on Joint Attention of Children with ASD <i>Sara Ali Yasar Ayaz Muhammad Jawad Khan Faisal Mehmood Umer Asgher</i> <i>International Conference on Applied Human Factors and Ergonomics, res.country(233,)</i>	2020
Citations: N/A DOI: N/A	
Detection and Prevention of a Malicious Activity in Industrial Federated Cloud Computing Paradigm <i>Naqash Gerard Ahmed Husnain Umer Asgher Akash Gerard Rabia Latif Waseem Iqbal Rabia Latif</i> <i>11th International Conference on Applied Human Factors and Ergonomics, res.country(233,)</i>	2020
Citations: N/A DOI: 10.1007/978-3-030-51041-1_52	
Classification of Mental Workload (MWL) using Support Vector Machines (SVM) and Convolutional Neural Networks (CNN) <i>Umer Asgher Khurram Khalil Yasar Ayaz Riaz Ahmad Muhammad Jawad Khan</i> <i>IEEE International Conference on Computing, Mathematics and Engineering Technologies (iCoMET), res.country(177,)</i>	2020
Citations: 21 DOI: 10.1109/iCoMET48670.2020.9073799	
Using Adaptive Integration of Variables Algorithm for Analysis and Optimization of 2D Irregular Nesting Problem <i>José Arzola-Ruiz Arlys Michel Lastre-Aleaga Alexis Cordovés Umer Asgher</i> <i>International Conference on Neuroergonomics and Cognitive Engineering, 2019 and the AHFE International Conference on Industrial Cognitive Ergonomics and Engineering Psychology, 2019 , res.country(233,)</i>	2019
Citations: N/A DOI: 10.1007/978-3-030-20473-0_47	
Novel metaheuristic approach: integration of variables method (IVM) and human-machine interaction for subjective evaluation <i>Umer Asgher Rolando Simeón Riaz Ahmad José Arzola-Ruiz</i> <i>International Conference on Neuroergonomics and Cognitive Engineering, 2019 and the AHFE International Conference on Industrial Cognitive Ergonomics and Engineering Psychology, 2019 , res.country(233,)</i>	2019
Citations: N/A	

DOI: 10.1007/978-3-030-20473-0_46	
Modeling and Multi-objective Optimization of Insulating Lining Using Heuristic Technique “Exploration of Variable Codes (EVC)” <i>Yasar Ayaz Sara Ali Umer Asgher José Arzola-Ruiz Riaz Ahmad Osmel Martínez-Valdés</i> <i>International Conference on Applied Human Factors and Ergonomics, res.country(233,)</i> Citations: N/A DOI: 10.1007/978-3-030-20473-0_42	2019
Enhanced classification accuracy using deep learning for mental math: an fNIRS study <i>Sara Ali M. Jawad Khan Yasar Ayaz Faisal Mehmood Noman Naseer Umer Asgher Muhammad Jahangeer Qureshi</i> <i>The Society for Functional Near-Infrared Spectroscopy FNIRS 2018 , res.country(113,)</i> Citations: N/A DOI: N/A	2018
Cognitive assessment for autistic children using robotic therapy: an fNIRS study <i>Sara Ali Faisal Mehmood Yasar Ayaz Noman Naseer Umer Asgher Muhammad Jahangeer Qureshi M. Jawad Khan</i> <i>The Society for Functional Near-Infrared Spectroscopy FNIRS 2018 , res.country(113,)</i> Citations: N/A DOI: https://easychair.org/smart-program/fNIRS2018/2018-10-08.html#talk:77451	2018
Mathematical modeling and process optimization of the radial continuous casting of steel <i>José Arzola Ruiz Yusdel Díaz Hernández Umer Asgher Alberto Fiol Zulueta Thomas Hanne</i> <i>6th International Symposium on Computational and Business Intelligence, ISCBI 2018, res.country(43,)</i> Citations: N/A DOI: 10.1109/ISCBI.2018.00017	2018
Novel multi-objective optimization algorithm incorporating decisions factors in design modeling of hydraulic nets <i>Jesús Rafael Hechavarría Hernández José Arzola Ruiz Umer Asgher</i> <i>International Conference on Human Factors, Business Management and Society, 2018, res.country(233,)</i> Citations: N/A DOI: 10.1007/978-3-319-94709-9_67	2018
Incorporating the cultural and decisions factors in multi-objective optimization of air conditioning conduit design process <i>Alexis Cordovés-García José Arzola-Ruiz Umer Asgher</i> <i>International Conference on Cross-Cultural Decision Making, res.country(233,)</i> Citations: N/A DOI: 10.1007/978-3-319-60747-4_18	2017
Analyzing various functions of prefrontal cortex (PFC) in decision making via brain imaging techniques <i>Umer Asgher Riaz Ahmad Yasar Ayaz Noman Naseer Liaqat Ali José Arzola Ruiz Maureen Kole</i> <i>Advances in Intelligent Systems and Computing, res.country(233,)</i> Citations: N/A DOI: 10.1007/978-3-319-60747-4_23	2017
Historical Patterns in Ancient and Contemporary Migration Phenomena in the Mediterranean Area <i>Umer Asgher György Bánhegyi</i> <i>6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, AHFE 2015 res.country(233,)</i> Citations: N/A DOI: 10.1016/j.promfg.2015.07.979	2015
Analysis and Modeling of Academia's Collaborative Decision Support System Based on Key Performance Indicators and Degree of Certainty <i>Umer Asgher Romero, Margarida</i> <i>6th International Conference on Applied Human Factors and Ergonomics (AHFE 2015) and the Affiliated Conferences, AHFE 2015 res.country(233,)</i> Citations: N/A DOI: 10.1016/j.promfg.2015.07.980	2015
A Survey of Recent Developments for JSSP and FJSSP Using ACO <i>Nasir Mehmood Umer Asgher Riaz Ahmad</i> <i>International Conference on Manufacturing Science and Technology (ICMST 2013), res.country(2,)</i> Citations: N/A DOI: https://doi.org/10.4028/www.scientific.net/AMR.816-817.1133	2013

Optimization of a Screw Press using Linear Programming techniques <i>Abbas Ihsan Riaz Ahmad Umer Asgher</i> <i>International Conference on Manufacturing Science and Technology (ICMST 2013), res.country(2,)</i> Citations: N/A DOI: doi.org/10.4028/www.scientific.net/AMR.816-817.1265	2013
Mathematical Modelling of Manufacturing Process Plan, Optimization analysis with Stochastic and DSM modelling Techniques <i>ume Asgher Riaz Ahmad Shahid Ikram Ullah Butt</i> <i>International Conference on Manufacturing Science and Technology (ICMST 2013), res.country(2,)</i> Citations: N/A DOI: doi.org/10.4028/www.scientific.net/AMR.816-817.1174	2013
Analysis of vendor's satisfaction level and generating an optimized vendor relationship model in public sector organizations of Pakistan <i>Umer Asgher Farooq Akbar Riaz Ahmad Aamer Ahmed Baqai Muhammad Qasim Khan</i> <i>2012 World Congress on Engineering and Computer Science, WCECS 2012, res.country(233,)</i> Citations: N/A DOI: 978-988192524-4	2012
Effects of project manager's competency on project success <i>Nadeem Ehsan K. Z. Waheed Umer Asgher Muhammad Tahir Nawaz Ebtisam Mirza S. Z. Sarwar</i> <i>5th IEEE International Conference on Management of Innovation and Technology, ICMIT2010, res.country(197,)</i> Citations: N/A DOI: 10.1109/ICMIT.2010.5492830	2010

Book Chapters

Innovations in healthcare product development <i>Mohammad Mohsin Memon Zartasha Mustansar Rehan Zafar Paracha Maheera Amjad Rida Ayub Chauhdary Jamil Ahmad Umer Asgher</i> In: <i>Smart VR/AR/MR Systems for Professionals</i> , 1st Edition, Chapter 3, Pages 13 Citations: 1 DOI: 10.1201/9781003306078-4	2024
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