University of Central Punjab, Lahore

Faculty of Engineering

- ## Journal Publications

Sr.	Journal View	HEC Cat.	Impact Factor	Year
1.	M. U. Khan, K. M. Hassan, **A. F. Murtaza, H. M. Usman, H. A. Sher**, A robust MPPT control based on double ended forward converter architecture Computers, Materials and Continua, vol: 70, issue: 1, HEC Category: W, IF: 3.772	W	3.772	2022
2.	**A. F. Murtaza**, H. A. Sher, F. Usman, **A. Nasir**, F. Spertino Efficient MPP tracking of photovoltaic (PV) array through modified boost converter with simple SMC voltage regulator IEEE Transactions on Sustainable Energy, HEC Category: W, IF: 7.917, publisher: IEEE	W	7.917	2022
3.	A. Sharma, S. Chaudhary, J. Malhotra, **M. Saadi**, S. A. Otaibi, L. Wuttisittikulkij Speed-direction sensing under multiple vehicles scenario using photonic radars Computers, Materials and Continua, vol: 73, issue: 3, HEC Category: W, IF: 3.860, publisher: Tech Science	W	3.860	2022
4.	**D. Sibtain**, **M. M. Gulzar**, K. Shahid, I. Javed, S. Murawwat, and M. M. Hussain, Stability Analysis and Design of Variable Step-Size P&O Algorithm Based on Fuzzy Robust Tracking of MPPT for Standalone/Grid Connected Power System, Sustainability, vol: 14, issue: 15 HEC Category: W, IF: 3.889, publisher: MDPI	W	3.889	2022
5.	**M. Iqbal**, and **M. M. Gulzar,** Master-slave design for frequency regulation in hybrid power system under complex environment, IET Renewable Power Generation, HEC Category: W, IF: 3.034, publisher: Wiley	W	3.034	2022
6.	M. M. Gulzar, S. Murawwat, **D. Sibtain**, K. Shahid, I. Javed, and Y. Gui, Modified Cascaded Controller Design Constructed on Fractional Operator 'β' to Mitigate Frequency Fluctuations for Sustainable Operation of Power Systems Energies, vol: 15, issue. 20 HEC Category: W, IF: 3.252, publisher: MDPI	W	3.252	2022
7.	R. Chancharoen , K. Chaiprabha , L. Wuttisittikulkij , W. Asdornwised , **M. Saadi** , G. Phanomchoeng , Digital twin for a collaborative painting robot , Sensors , vol: 23 , issue: 1, HEC Category:W , IF: 3.847, publisher: MDPI , 2022	W	3.847	2022

8.	O. D. Okey, S. S. Maidin, R. L. Rosa, W. T. Toor, D. C. Melgarejo, L. Wuttisittikulkij, **M. Saadi**, D. Z. Rodríguez , Quantum key distribution protocol selector based on machine learning for next-generation networks , Sustainability , vol: 14 , issue: 23, HEC Category:W , IF: 3.889, publisher: MDPI , 2022	W	3.889	2022
9.	O. D. Okey, S. S. Maidin, P. Adasme, R. L. Rosa, **M. Saadi**, D. C. Melgarejo , D. Z. Rodriguez , BoostedEnML: Efficient Technique for detecting cyberattacks in IOT systems using boosted ensemble machine learning , Sensors , vol: 22 , issue: 19, HEC Category:W , IF: 3.847, publisher: MDPI , 2022	W	3.847	2022
10.	S. Poslad, T. Irum, P. Charlton, R. Mumtaz , M. Azam, H. Zaidi , C. Herodotou , G. Yu , **F. Toosy** , How IoT-driven citizen science coupled with data satisficing can promote deep citizen science , Sensors , vol: 22 , issue: 9, HEC Category:W , IF: 3.847, publisher: MDPI, Switzerland, Collaboration: Foreign, UK , 2022	W	3.847	2022
11.	**M. M. Gulzar**, **M. Iqbal**, S. Shahzad, H. A. Muqeet, M. Shahzad, M. M. Hussain , Load frequency control (LFC) strategies in renewable energy-based hybrid power systems: A review , Energies , vol: 15 , issue: 10 , pages: 3488, HEC Category:W , IF: 3.004, publisher: MDPI , 2022	W	3.004	2022
12.	**Z. Aftab , G. Ahmed , M. A. Hanif,** M. A. Shahzad , A novel algorithm for automatic estimation of gait parameters using lower-body kinematics , IEEE Access , vol: 10, HEC Category:W , IF: 3.476, publisher: IEEE , 2022	W	3.476	2022
13.	**Z. Aftab, R. Shad** , Estimation of gait parameters using leg velocity for amputee population , Plos ONE , vol: 17 , issue: 5, HEC Category:W , IF: 3.240 , 2022	W	3.240	2022
14.	D. H. Silva, E. G. Maziero, **M. Saadi**, R. L. Rosa, J. C. Silva, D. Z. Rodríguez, K. K. Igorevich , Big data analytics for critical information classification in online social networks using classifier chains. , Peer-to-Peer Networking and Applications, HEC Category:W , IF: 3.307, publisher: Springer-Nature , 2022	W	3.307	2022
15.	J. C. Silva, **M. Saadi**, L. Wuttisittikulkij, D. Ribeiro, R. L. Rosa, D. Z. Rodriguez , S. A. Otaibi , Light-field imaging reconstruction using deep learning enabling intelligent autonomous transportation system , IEEE Transactions on Intelligent Transportation Systems , vol: 23 , issue: 2, HEC Category:W , IF: 6.319, publisher: IEEE , 2022	W	6.319	2022
16.	R. V. Mendonca, J. C. Silva, R. L. Rosa, **M. Saadi**, D. Z. Rodriguez, A. Farouk , A lightweight intelligent intrusion detection system for industrial internet of things using deep learning algorithms , Expert Systems , vol: 39 , issue: 5, HEC Category:X , IF: 2.587, publisher: Wiley , 2022	X	2.587	2022
17.	A. A. M. Teodoro, O. S. M. Gomes, **M. Saadi**, B. A. Silva, R. L. Rosa, D. Z. Rodríguez , An FPGA-based performance evaluation of artificial neural network architecture	X	1.061	2022

	algorithm for IOT , Wireless Personal Communications , vol: 127, HEC Category:X , IF: 1.061, publisher: Springer , 202			
18.	O. D. Ogobuchi, S. T. Vieira, **M. Saadi**, R. L. Rosa, D. Z. Rodríguez , Intelligent network planning tool for location optimization of unmanned aerial vehicle base stations using geographical images , Journal of Electronic Imaging , vol: 31 , issue: 6, HEC Category:X , IF: 0.945, publisher: Spie , 2022	X	0.945	2022
19.	I. Zafar, **M. A. Tahir**, R. Hameed , K. Rashid , M. Ju , Reactivity of aluminosilicate materials and synthesis of geopolymer mortar under ambient and hot curing condition", , Advances in Concrete Construction , vol: 13 , issue: 1, pages: 71-81, HEC Category:X , IF: 3.214 , 2022	X	3.214	2022
20.	**D. Sibtain**, **A. Mushtaq**, **A. F. Murtaza**, Adaptive Design and Implementation of Fractional Order PI Controller for a multi-source (Battery/UC/FC) Hybrid Electric Vehicle, Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol:44, issue. 4 HEC Category: X, IF: 2.902, publisher: Taylor & Francis	X	2.902	2022
21.	A. M. Teodoro, D. H. Silva, R. L. Rosa, **M. Saadi**, L. Wuttisittikulkij, R. A. Mumtaz, D. Z. Rodriguez A skin cancer classification approach using GAN and ROI-based attention mechanism Journal of Signal Processing Systems, HEC Category: X, IF: 1.348, publisher: Springer	X	3.007	2022
22.	**U. Hayat, M. R. Shad, A. Ali, H. Abbas, M. Hassnain,** Failure investigation of a spline half-shaft in a loader rickshaw differential system Materialpruefung/Materials Testing, vol: 64, issue: 5, pages: 697–705, HEC Category: X , IF: 1.589, publisher: De Gruyter	X	1.589	2022
23.	**H. Rehman, A. F. Murtaza**, H. Sher, A. M. Noman, A. A. Al-Shamma'a, A. Alkuhayli, F. Spertino Neighboring-pixel-based maximum power point tracking algorithm for partially shaded Photovoltaic (PV) systems Electronics, vol: 11, issue: 3, HEC Category: X, IF: 2.397, publisher: MDPI	X	2.397	2022
24.	**D. Sibtain, M. M. Gulzar, A. F. Murtaza,** S. Murawwat**, M. Iqbal, I. Rasool, A. Hayat , A. Arif,** Variable structure model predictive controller based gain scheduling for frequency regulation in renewable based power system International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, vol: 35, issue: 4, HEC Category: X , IF: 1.296, publisher: Wiley	X	1.296	2022
25.	**M. M. Gulzar, D. Sibtain**, A. Ahmad, I. Javed, S. Murawwat, **I. Rasool, A. Hayat** , An efficient design of adaptive model predictive controller for load frequency control in hybrid power system , International Transactions on Electrical Energy Systems , vol: 2022 , issue: 7894264 , pages: 1-14, HEC Category:X , IF: 2.860, publisher: Hindawi , 202	X	2.860	2022

26.	**Z. Aftab, G. Ahmed , A. Ali,** N. Gillani , Estimation of gait parameters for transfemoral amputees using lower limb kinematics and deterministic algorithms , Applied Bionics and Biomechanics , vol: 2022, HEC Category:X , IF: 1.664, publisher: Hindawi , 2022	X	1.664	2022
27.	**M. R. Shad**, **F. ul-Hasan**, **U. Hayat**, **Z. Aftab**, Investigation of rupture of 24-inch diameter gas pipeline near pipe-bend Journal of Failure Analysis and Prevention, vol: 22, pages: 858–863, HEC Category: Y , IF: 0.000, publisher: Springer	Y	-	2022

Author* means author exhibits dual affiliations, in which UCP is declared as primary institute.
Author** means author exhibits dual affiliations, in which UCP is declared as secondary institute.
Journal Name***: Impact factor journal Not found in HEC database.

▪ Conference & Miscellaneous Publications

Sr.	Conference View	Year
1	**A. Sohail, K. Saleem**, P. Sangwongngam, L. Wuttisittikulkij , [A compact planar microstrip low pass filter with improved out-of-band rejection utilizing dumbbell-shaped defected ground structure](#) , Proc. of the International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology , vol: 1 , issue: 1 , pages: 1-4 , publisher: IEEE , 2022	2022
2	**K. Ahmed**, R. Atheel, **A. Arif**, **K. Saleem**, A. K. Awais, S. Montenegro, M. Faisal , [An educational platform for testing and evaluating satellite control algorithms in a real-time and frictionless environment](#) , Proc. of the IBCAST-2022 , vol: 1 , issue: 1 , pages: 1-4 , publisher: IEEE , 2022	2022
3	**F. Toosy**, **A. Arif**, **A.Ahmad**, C. Herodotou, S. Poslad, **K. Kamid** , [How do final year projects of engineering students relate to Myer-Briggs Type Indicator assessment?](#) , Proc. of the IEEE International Conference on Teaching, Assessment, and Learning for Engineering (TALE) 2022 , publisher: IEEE , 2022	2022
4	**F. Toosy**, **Farah Naz Raza**, **Maria Zafar**, **Ayesha Zaheer**, Christothea Herodotou , [On gender disparity in engineering academia](#) , Proc. of the Frontiers in Education 2022 , publisher: IEEE , 2022	2022