

UNIVERSITY OF ENGINEERING AND TECHNOLOGY

List of Faculty Publications

Journals

Sr. #	Faculty Member	<u>Level</u> (National / International)	Year of Publication	Title	Complete name of Journal	Vol.	Issue No	ISSN	HEC Category (W/X/Y/Z), Impact Factor in case of (W-Cat (pubs before 1st July 2020) & W/X/Y if pub is after 30th June 2020 (HJRS))	Published/ Accepted	DOI	Complete Bibliographic Reference (MLA)
1	Prof. Dr. Yaseer Arafat Durrani	International	2022	Efficient power macromodeling approach for heterogeneously stacked 3d ICs using Biogeography based optimization	PLOS ONE journal				W	Published	https://doi.org/10.1371/journal.pone.0264181	
2	Prof. Dr. Yaseer Arafat Durrani	International	2020	Efficient power modeling approach for IP based SoC system using discrete water cycle algorithm	Turkish Journal of Electrical Engineering & Computer Sciences	28	5	1300-0632	W	Published	https://doi.org/10.3906/elk-2002-150	
3	Prof. Dr. Yaseer Arafat Durrani	International	2018	Power and Thermal Modeling Approach for Homogeneously-Stacked Butterfly Fat Tree architecture in 3D ICs	Wiley International Journal of Numerical Modeling, Electronic Networks, Devices & Fields	31	1	1099-1204	W	Published	https://doi.org/10.1002/jnm.2330	

4	Prof. Dr. Yaseer Arafat Durrani	International	2018	Power Macro-Modeling Technique for NoC-based Homogeneous Layered 3D Ics	Wiley International Journal of Numerical Modeling, Electronic Networks, Devices & Fields	30	6	1099-1204	W	Published	https://doi.org/10.1002/jnm.2309	
5	Prof. Dr. Yaseer Arafat Durrani	International	2018	Power Analysis Approach for NoC-based Homogeneous Stacked 3D ICs	World Scientific Journal of Circuits, Systems and Computers,	27	2	1793-6454	W	Published	https://doi.org/10.1142/S0218126618500342	
6	Prof. Dr. Yaseer Arafat Durrani	International	2018	Effect of Isothermal Treatment on Ni3Al Coatings Deposited by Air Plasma Spraying System	Journal Archives of Metallurgy and Materials	63	1	1733-3490	W	Published		
7	Prof. Dr. Yaseer Arafat Durrani	International	2017	Power modeling for High Performance network-on-chip architectures	Elsevier Journal of Microprocessors & Microsystems	50		0141-9331	W	Published		
8	Prof. Dr. Yaseer Arafat Durrani	National	2017	Fundamentals of Low-Noise in Analog Circuits	Technical Journal, UET, Taxila	22	1	1813-1786	X	Published		
9	Dr. Syed Azhar Ali Zaidi	International	2019	M. Awais, A. Ahmed, S. A. Ali , M. Naeem, W. Ejaz and A. Anpalagan, "Resource Management in Multicloud IoT Radio Access Network	IEEE Internet of Things Journal	6	2	2327-4662	W	Published	10.1109/JIOT.2018.2878511	
10	Dr. Syed Azhar Ali Zaidi	International	2021	Uniform patterns based area-efficient and	PLOS One	16	1	1932-6203	W	Published	doi.org/10.137	

				accurate stochastic computing finite impulse response filter. PLOS ONE 16(1): e0245943. https://1/journal.pone.0245943								
11	Dr. Syed Azhar Ali Zaidi	International	2021	An area efficient and high throughput implementation of layered min-sum iterative construction a posteriori probability LDPC decoder	PLOS One	16	3	1932-6203	W	Published	doi.org/10.1371	
12	Dr. Syed Azhar Ali Zaidi	International	2021	A novel embedded system design for the detection and classification of cardiac disorders	Computational Intelligence	37	4	0824-7935	X	Published	doi.org/10.1111/coi.n.12469	
13	Dr. Syed Azhar Ali Zaidi	International	2022	Performance Optimization of Apodized FBG Biomedical Sensor for Variation in Temperature and Presence of Noise	IEEJ Trans Elec Electron Eng	17	6	1931-4973	X	Published	doi.org/10.1002/tee.23573	
14	Dr. Aamir Rashid	International	2022	A Compact Low-Profile Antenna for MillimeterWave 5G Mobile Phones	Electronics				W	Published	doi.org/10.3390/electronics11193256 [IF = 2.69]	
15	Dr. Aamir Rashid	International	2021	A novel embedded system design for the detection and classification of cardiac disorders	Computational Intelligence.	37	4		W	Published	doi.org/10.1111/coi.n.12469 [IF=2.330]	

16	Dr. Aamir Rashid	International	2021	An area efficient and high throughput implementation of layered min-sum iterative construction a posteriori probability LDPC decoder	PLOS One	16	3		W	Published	doi.org/10.1371/journal.pone.0249269 [IF=2.74]	
17	Dr. Aamir Rashid	International	2021	Uniform patterns based area-efficient and accurate stochastic computing finite impulse response filter	PLOS One	16	1		W	Published	doi.org/10.1371/journal.pone.0245943 [IF=2.74]	
18	Dr. Aamir Rashid	International	2021	An ultrathin and broadband radar absorber using metamaterials', Waves in Random and Complex Media	Waves in Random and Complex Media				W	Published	DOI: 10.1080/17455030.2020.1869350 [IF=3.33]	
19	Dr. Aamir Rashid	International	2021	Ullah, T, Rashid, A. Angularly stable and broadband chiral metamaterial based design for asymmetric transmission of linearly polarized waves	Microw Opt Technol Lett				W	Published	doi.org/10.1002/mop.32564 [IF=0.957]	
20	Dr. Aamir Rashid	International	2020	A highly efficient low-cost reflective anisotropic metasurface for linear to linearly cross- and	Microw Opt Technol Lett				W	Published	doi.org/10.1002/mop.32748 [IF=0.957]	

				circular-polarization conversion								
21	Dr. Aamir Rashid	International	2020	Saba Arshad , Farooq A. Tahir , Aamir Rashid , M. M. Saad Missen & James A. Flint (2020) Co-planar waveguide fed Circularly Polarized Antenna for Wireless WLAN/LTE Applications, Electromagnetics	Waves in Random and Complex Media	40	5		W	Published	DOI: 10.1080/02726343.2020.1780379 (Tylor & Francis) [IF 0.553]	
22	Dr. Aamir Rashid	International	2020	A novel compact folded zeroth-order resonant antenna for Internet of Things USB dongle applications, Electromagnetics	Waves in Random and Complex Media	40	4		W	Published	DOI: 10.1080/02726343.2020.1750676 (Tylor & Francis) [IF 0.553]	
23	Dr. Aamir Rashid	International	2019	An adaptive sliding mode actuator fault tolerant control scheme for octorotor system. International Journal of Advanced Robotic Systems	International Journal of Advanced Robotic Systems	16	2		W	Published	doi.org/10.1177/1729881419832435	
24	Dr. Aamir Rashid	International	2018	An online temperature-aware scheduling technique to avoid thermal emergencies in multiprocessor systems”,	Computers & Electrical Engineering	70		0045-7906	W	Published	doi.org/10.1016/j.compeleceng.2018.06.002. [IF=2.663]	

				Computers & Electrical Engineering								
25	Dr. Hammad Zaki	International	2019	Robust trajectory control of an unmanned aerial vehicle using acceleration feedback	International Journal of Mechatronics and Manufacturing Systems	12	3.00	1753-1039	W	Published	doi.org/10.1504/IJMMS.2019.103495	
26	Dr. Hammad Zaki	International	2022	Design and implementation of adaptive neuro-fuzzy inference system for the control of an uncertain ball and beam apparatus."	Mehran University Research Journal of Engineering & Technology	41	2	2413-7219	X	Published	doi.org/10.22581/muet1982.202.17.	
27	Dr. Usman Masud	International	2017	Investigation of Cavity Length and Mode Spacing Effects in Dual-Mode Sensor	IEEE Sensors Journal,	18	7		W	Published	10.1109/JSEN.2017.2788359.	
28	Dr. Usman Masud	International	2018	Heat transfer analysis of magneto-Eyring–Powell fluid over a nonlinear stretching surface with multiple slip effects	Application of Roseland’s heat flux, Canadian Journal of Physics				W	Published	doi.org/10.1139/cjp-2018-0732.	
29	Dr. Usman Masud	International	2019	A Measurement Study of Cooperative Network on WiMAX Technology using BICM LDPC with iterative Decoding Technique	Journal of Information Communication Technologies and Robotic Applications (JICTRA)	10	2		W	Published		

30	Dr. Usman Masud	International	2021	On the effects of chemical reaction on controlled heat and mass transfer in magnetized nonNewtonian biofluid through a long rectangular tunnel	Journal of Thermal Analysis and Calorimetry				W	Published	doi.org/10.1007/s10973-020-10426-2	
31	Dr. Usman Masud	International	2022	Comment on 'An ultrathin and broadband radar absorber using metamaterials', Waves in Random and Complex Media	Waves in Random and Complex Media	32	6		W	Published	DOI: 10.1080/17455030.2020.1869350	
32	Dr. Usman Masud	International	2019	Performance analysis of NRZ and RZ variants for FSO communication system under different weather conditions,	Journal of Optical Communications				W	Published	DOI: https://doi.org/10.1515/joc-2019-0294	
33	Dr. Usman Masud	International	2020	Securing Cognitive Radio Networks using blockchains,	Elsevier Future Generation Computer Systems				W	Published	doi.org/10.1016/j.future.2020.03.020.	
34	Dr. Usman Masud	International	2020	Traffic Congestion Avoidance System Using Foreground Estimation and Cascade Classifier	IEEE Access				W	Published	DOI: 10.1109/ACCESS.2020.3027715.	
35	Dr. Usman Masud	International	2020	Highly Sensitive Microsensor Based on Absorption Spectroscopy: Design Considerations	IEEE Access				W	Published	DOI: 10.1109/ACCESS.2020.2996973.2020	

				for Optical Receiver								
36	Dr. Usman Masud	International	2020	Dual mode spectroscopic biomedical sensor: Technical considerations for the wireless testbed, Physica Scripta,	Physica Scripta				W	Published	DOI: 10.1088/1402-4896/abb49c.	
37	Dr. Usman Masud	International	2019	Influence of rotating magnetic field on Maxwell saturated ferrofluid flow over a heated stretching sheet with heat generation/absorption,	Mechanics & Industry	502		9	W	Published	https://doi.org/10.1051/meca/2019022	
38	Dr. Usman Masud	International	2020	Automatization analysis of the extremely sensitive laser-based dual-mode biomedical sensor	Lasers in Medical Science	35	7	1531-1542	W	Published	doi: 10.1007/s10103-019-02945-8	
39	Dr. Usman Masud	International	2020	Calibration and stability of highly sensitive fibre based laser through relative intensity noise, IOP Physica Scripta Phys. Scr. 95	Physica Scripta	95	5		W	Published	DOI: 10.1109/JSEN.2021.3050168 (IF=4.325)	
40	Dr. Bilal Aslam	International	2021	Low-profile Magnetically Coupled Dual Resonance Patch Antenna for UHF RFID Applications	International Journal of Electronics and Communications	133	2021		W	Published	DOI: 10.1016/j.aee.2021.153672 (IF=3.88)	

41	Dr. Bilal Aslam	International	2019	A Low Profile Miniature RFID Tag Antenna Dedicated to IoT Applications,”	Electromagnetics	39	6		W	Published	DOI: 10.1080/02726343.2019.1641654 (IF=1.099)	
42	Dr. Bilal Aslam	International	2019	“A High Capacity Tunable Retransmission Type Frequency Coded Chipless RFID System,”	International Journal of RF and Microwave Computed-Aided Engineering	29	6		W	Published	DOI: 10.1002/mmce.21855 (IF=1.987)	
43	Dr. Bilal Aslam	International	2017	A Compact Implantable RFID Tag Antenna Dedicated to Wireless Healthcare,”	International Journal of RF and Microwave Computed-Aided Engineering	27	5		W	Published	DOI: 10.1002/mmce.21094 (IF=1.987)	
44	Dr. Bilal Aslam	International	2017	“Miniaturized Decoupled Slotted Patch RFID Tag Antennas for Wearable Healthcare,”	International Journal of RF and Microwave Computed-Aided Engineering	27	1		W	Published	DOI: 10.1002/mmce.21048 (IF=1.987)	
45	Dr. Bilal Aslam	International	2017	A Compact CP RFID Tag Localization Using ToA Technique,”	Radioengineering	26	1		W	Published	DOI: 10.13164/re.2017.0147 (IF=0.951)	
46	Dr. Khawja Shafique Haider	International	2018	Frequency interval gramians based structure preserving model order reduction for second order systems	Asian Journal of Control				W	Published		
47	Dr. Khawja Shafique Haider	International	2019	Frequency limited Gramians-based structure preserving model order reduction	International Journal of Control				W	Published		

				for discrete time second-order systems								
48	Dr. Khawja Shafique Haider	International	2019	Time-limited Gramians-based model order reduction for second-order form systems	Transactions of the Institute of Measurement and Control	41	8		W	Published		
49	Dr. Khawja Shafique Haider	International	2020	Infinite and Finite Time-Frequency Interval Based Variants of Second-Order Balanced Truncation for Stable and Unstable Systems	IEEE Access				W	Published		
50	Dr. Khawja Shafique Haider	International	2021	Model Reduction Techniques for Unstable Second Order-Form Systems	IEEJ Transactions on Electrical and Electronics Engineering				W	Published		
51	Dr. Khawja Shafique Haider	International	2020	Subspace identification of fault modes for a twin-rotor system	International Journal of Intelligent Unmanned Systems				W	Published		
52	Dr. Khawja Shafique Haider	International	2017	Controller design for performance analysis and optimization of twin rotor system	International Science Journal				W	Published		
53	Dr. Khawja Shafique Haider	International	2020	Accurate Measurement of Gas Concentration Using Apodized Fiber Bragg Grating for Variation in Temperature and Presence of Noise	Sensor Letters				W	Published		

54	Dr. Khawja Shafique Haider	International	2022	Limited Frequency Interval Gramians Based Model Order Reduction of unstable Second Order-form Systems	Journal of Electrical Engineering Technology				W	Published		
55	Dr. Muhammad Faraz	International	2021	Variable-Focus Optoacoustic Lens with Wide Dynamic Range and Long Focal Length by using a Flexible Polymer Nano-Composite Membrane	Ultrasonics	117			W	Published		
56	Dr. Muhammad Faraz	International	2022	Strain-Dependent Photoacoustic Characteristics of Free-Standing CarbonNanocomposite Transmitters	Sensors	22	9		W	Published		
57	Dr. Muhammad Faraz	International	2020	Stretchable and Robust Candle-Soot Nanoparticle-Polydimethylsiloxane Composite Films for	Laser-Ultrasound Transmitters, Micromachines	11(7)			W	Published		
58	Engr. Muhammad Umar Khan	International	2022	Computer-Aided Diagnosis System for Cardiac Disorders using Variational Mode Decomposition and Novel Cepstral Quinary Patterns	Biomedical Signal Processing and Control, Elsevier				W	Accepted		
59	Engr. Sumair Aziz	International	2022	Intelligent Bearing Faults Diagnosis featuring	Expert Systems with				W	Accepted		

				Automated Relative Energy based Empirical Mode Decomposition and Novel Cepstral Auto-regressive Features	Applications, Elsevier							
60	Engr. Sumair Aziz	International	2022	Machine learning-based classification of multiple heart disorders from PCG signals	Expert Systems, Wiley				W	Accepted		
61	Engr. Sumair Aziz	International	2022	Pulse plethysmograph signal analysis method for classification of heart diseases using novel local spectral ternary patterns.	Expert Systems, Wiley	8	39		W	Published		http://dx.doi.org/10.1111/exsy.13011
62	Engr. Sumair Aziz	International	2022	A two-stage classification model integrating feature fusion for coronary artery disease detection and classification.	Multimedia Tools and Applications	81	10		W	Published		https://link.springer.com/article/10.1007/s11042-021-10805-3
63	Engr. Sumair Aziz	International	2022	DarkNet-19 Based Intelligent Diagnostic System for Ocular Diseases.	Iranian Journal of Science and Technology, Transactions of Electrical Engineering	1	12		W	Published		http://dx.doi.org/10.1007/s40998-022-00514-4
64	Engr. Sumair Aziz	International	2022	Computer-aided diagnosis of COVID-19 disease from chest x-ray images	Expert Systems, Wiley	39	5		W	Published		http://dx.doi.org/10.1111/exsy.12919

				integrating deep feature extraction								
65	Engr. Sumair Aziz	International	2021	A novel embedded system design for the detection and classification of cardiac disorders. Computational Intelligence	Computational Intelligence	37	4		W	Published		http://dx.doi.org/10.1111/coin.12469
66	Engr. Sumair Aziz	International	2021	Phonocardiogram signal analysis for classification of Coronary Artery Diseases using MFCC and 1D adaptive local ternary patterns.	Computers in Biology and Medicine	138	104926		W	Published		http://dx.doi.org/10.1016/j.combiomed.2021.104926
67	Engr. Muhammad Umar Khan	International	2021	Expert hypertension detection system featuring pulse plethysmograph signals and hybrid feature selection and reduction scheme.	Sensors	21	1		W	Published		http://dx.doi.org/10.3390/s21010247
68	Engr. Muhammad Umar Khan	International	2021	A novel pulse plethysmograph signal analysis method for identification of myocardial infarction, dilated cardiomyopathy, and hypertension.	Turkish Journal of Electrical Engineering and Computer Sciences	29	2		W	Published		http://dx.doi.org/10.3906/elk-2004-167
69	Engr. Sumair Aziz	International	2021	Classification of cardiac disorders using 1D local ternary patterns based on pulse	Expert Systems, Wiley	38	3		W	Published		http://dx.doi.org/10.1111/exsy.12664

				plethysmograph signals								
70	Engr. Sumair Aziz	International	2020	Phonocardiogram Signal Processing for Automatic Diagnosis of Congenital Heart Disorders through Fusion of Temporal and Cepstral Features.	Sensors, MDPI	20	13		W	Published		http://dx.doi.org/10.3390/s20133790
71	Engr. Sumair Aziz	International	2020	Marine Mammals Classification using Acoustic Binary Patterns	Archives of Acoustics	45	4		W	Published		http://dx.doi.org/10.24425/aoa.2020.135278
72	Engr. Sumair Aziz	International	2019	Automatic scene recognition through acoustic classification for behavioral robotics	Electronics, MDPI	8	5		W	Published		http://dx.doi.org/10.3390/electronics8050483
73	Engr. Sumair Aziz	International	2018	Fall detection through acoustic local ternary patterns	Applied Acoustics, Elsevier	140	5		W	Published		http://dx.doi.org/10.1016/j.apacoust.2018.06.013
74	Engr. Sumair Aziz	International	2018	Sound Recognition Aimed towards Hearing Impaired Individuals in Urban Environment using Ensemble Methods	Journal of Information Communication Technologies and Robotic Applications				Y	Published		
75	Engr. Sumair Aziz	International	2017	Human heart sounds classification using ensemble methods.	Technical Journal, University of Engineering and Technology Taxila	22	1		Y	Published		

76	Engr. Sumair Aziz	International	2017	Classification of disease in tomato plants' leaf using image segmentation and SVM	Tech. Journal Univ. Eng. Technol	23	2		Y	Published		
77	Dr. Hammad Zaki	International	2023	A single-layer, wideband and angularly stable metasurface based polarization converter for linear-to-linear cross-polarization conversion	journals.plos.org	18	1			Published		
78	Dr. Aamir Rashid	International	2023	A single-layer, wideband and angularly stable metasurface based polarization converter for linear-to-linear cross-polarization conversion						Published	https://doi.org/10.1371/journal.pone.0280469 [IF=2.74]	
79	Dr. Aamir Rashid	International	2023	A Semi-Octagonal 40-Bit High Capacity Chipless RFID Tag for Future Product Identification	Electronics	12	349			Published	https://doi.org/10.3390/electronics12020349 [IF = 2.69]	
80	Dr. Khawja Shafique Haider	International	2023	Limited Frequency Interval Gramians Based Model Order Reduction of Unstable Second Order-Form Systems	Journal of Electrical Engineering & Technology	18(2)	1283-99.			Published		
81	Dr. Khawja	International	2023	Real time vision-based	Mehran University		19-29			Published		

	Shafique Haider			implementation of plant disease identification system on FPGA	Research Journal of Engineering & Technology							
82	Dr. Khawja Shafique Haider	National	2023	Experimental Validation of State Estimation of Non-Linear Twin Rotor System using Extended Kalman Filter	Pakistan Journal of Engg. and Applied Sciences	32	1-9			Published		
83	Dr. Khawja Shafique Haider	International	2023	Model Order Reduction of Second Order Systems Based on Gramians	International Journal of Emerging Engineering and Technology	2-1	75-79			Published		
84	Dr. Khawja Shafique Haider	International	2024	Discrete Time Limited Gramians Model Order Curtailment for Unstable Second Orderly-Structured Systems	IEEEJ Transactions on Electrical and Electronic Engineering (2 024).					Published		
85	Dr. Khawja Shafique Haider	International	2023	Model Order Reduction of Second Order Systems Based on Gramians	International Journal of Emerging Engineering and Technology (IJEET)	2(1)	75-79			Published		
86	Dr. Zohaib Hassan	International	2023	In vitro controlled drug delivery of cationic substituted hydroxyapatite nanoparticles; enhanced anti-chelating and	Kuwait Journal of Science	vol. 50, no. 2,	97-104			Published		

				antibacterial response'								
87	Dr. Zohaib Hassan	International	2023	Machine learning-based classification of multiple heart disorders from PCG signals	Expert Systems	vol. 40, no. 10,	p. e13411			Published		
88	Dr. Zohaib Hassan	International	2024	'A new way to analyze constitutive analysis and its relation to the microstructure of a Mg-Gd-Y-Zn alloy	Journal of Alloys and Compounds	977	p. 173456			Published		
89	Dr. Muhammad Fraz	International	2023	Intelligent bearing faults diagnosis featuring Automated Relative Energy based Empirical Mode Decomposition and novel Cepstral Autoregressive features."	Measurement	216				Published		
90	Dr. Zohaib Hassan Naqvi	International	2024	A new way to analyze constitutive analysis and its relation to the microstructure of a Mg-Gd-Y-Zn alloy	Journal of Alloys and Compounds	977				Published		
91	Dr. Hamd Zaki	International	2025	Lyapunov-based fractional-order PID controller design for	Transactions of the Institute of Measurement and Control	47	6	1046-1056		Published		

				coupled nonlinear system								
92	Dr. Bilal Aslam	International	2024	Compact high gain and high isolation AMC-coupled MIMO antenna for wideband 5G millimeter wave applications		56				Published	https://doi.org/10.1007/s11082-024-07628-5	
93	Dr. Muhammad Faraz	International	2025	Bio fusion: Advancing Biometric Authentication by Fusion of Physiological Signals	International Journal of Innovations in Science and Technology	7				Published	https://journal.50sea.com/index.php/IJIST/article/view/1239	
94	Dr. Muhammad Faraz	International	2025	Bearing faults classification using novel log energy-based empirical mode decomposition and machine Mel-frequency cepstral coefficients	Digital Signal Processing	156				Published	https://doi.org/10.1016/j.dsp.2024.104776	

Conferences

Sr. #	Faculty Member	<u>Level</u> (National / International)	Year of Publication	Title	Complete name of Conference	ISBN No	Issue No	Series (e.g. 1st, 2nd, 3rd...)	City-Country	Complete Bibliographic Reference (MLA)
1	Prof. Dr. Yaseer Arafat Durrani	National	2017	Design of Efficient Photo-voltaic Cell	32nd IEEE National Engineering Student Competition					Published
2	Dr. Syed Azhar Ali Zaidi	International	2020	M. Murtaza, A. Rashid, T. Ullah, F. A. Tahir and S. A. A. Zaidi, "An Angularly Stable Broadband Cross-Polarization Conversion Metasurface," 2019 13th European Conference on Antennas	European Conference on Antennas and Propagation	978-1-5386-8127-5		13	Krakow, Poland	Published

				and Propagation (EuCAP), 2019, pp. 1-3.						
3	Dr. Syed Azhar Ali Zaidi	International	2021	A Comparative Survey of LiDAR-SLAM and LiDAR based Sensor Technologies	Mohammad Ali Jinnah University International Conference on Computing	978-1-6654-2414-1		1	Karachi, Pakistan	Published
4	Dr. Khawja Shafique Haider	International	2017	Techniques for computation of frequency limited H-Infinity norm	International Conference on Mechanical, Electronics and Computer Engineering				W	Published
5	Dr. Aamir Rashid	International	2017	A compact dual-band circularly polarized asymmetric patch antenna for WLAN applications	IEEE Asia Pacific Microwave Conference (APMC), Kuala Lumpur					Published
6	Dr. Aamir Rashid	International	2019	An Angularly Stable Broadband Cross-Polarization Conversion Metasurface	IEEE EuCAP 2019 Karakow, Poland.					Published
7	Dr. Aamir Rashid	International	2021	A Multi-band Polarization Insensitive Metasurface Based Microwave Absorber Using Square and Circular Loop with Lumped Elements	1st International Conference on Microwave, Antennas & Circuits (ICMAC)					Published
8	Dr. Aamir Rashid	International	2021	A Millimeter-wave Broadband Magneto-electric Dipole Antenna Using Complementary Back Reflectors and Air-gaps	1st International Conference on Microwave, Antennas & Circuits (ICMAC)					Published
9	Dr. Hammad Zaki	International	2019	Nonlinear adaptive control of an aerial manipulation system	18th European control conference (ECC) IEEE, 2019.	978-3-907144-00-8		18th	Napoli, Italy	Published
10	Dr. Hammad Zaki	International	2018	Control of a hovering quadrotor UAV subject to periodic disturbances	International Conference on Control Engineering & Information Technology (CEIT), pp. 1-8. IEEE, 2018.	978-1-5386-7641-7		6th	Istanbul, Turkey	Published

11	Dr. Hammad Zaki	International	2017	Trajectory control of a quadrotor using a control allocation approach	International Conference on Unmanned Aircraft Systems (ICUAS) (pp. 533-539). IEEE.	978-1-5090-4495-5		5th	Miami, USA	Published
12	Dr. Usman Masud	International	2017	A P300 Brain Computer Interface based Intelligent Home Control System using a Random Forest Classifie	IEEE Symposium Series on Computational Intelligence					Published
13	Dr. Usman Masud	International	2017	Design of Logistic Air Vehicle (LAV) to avoid Real-time Obstacles in Logistics and Biomedics	3rd International Conference on Emerging Trends in Engineering, Management and Sciences.					Published
14	Dr. Bilal Aslam	International	2019	Gamma-induced Degradation Analysis of Commercial Off The Shelve Cameras,"	Proceedings of IEEE Sensors, Montreal, Canada, October 27-30, 2019 (Peer Reviewed)					Published
15	Dr. Bilal Aslam	International	2019	Zeba Khanam, Sangeet Saha, Bilal Aslam, Xiaojun Zhai, Shoaib Ehsan, Carlo Cazzaniga, Christopher Frost, Rustam Stolkin, and Klaus McDonald-Maier, "Modelling Neutron-induced Degradation in Depth Images of Kinect Sensor",	IEEE Nuclear & Space Radiation Effects Conference (NSREC), San Antonio, USA, July 8-12, 2019 (Peer Reviewed)					Published
16	Dr. Bilal Aslam		2019	Degradation Measurement of Commercial Camera Sensors Under Fast Neutron Beamline" Proceedings of Single Event Effects	Proceedings of Single Event Effects (SEE) Symposium Military & Aerospace Programmable Logic Devices (MAPLD)					Published
17	Engr. Zohaib Hassan Naqvi	International	2017	Design and simulation of enhanced 64-bit Vedic multiplier	2017 IEEE Jordan Conference on Applied Electrical Engineering and Computing					Published

					Technologies (AEECT), Jordan					
18	Engr. Zohaib Hassan Naqvi	International	2018	Control system design, analysis & implementation of two wheeled self balancing robot (TWSBR)	2018 IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), Canada					Published
19	Engr. Zohaib Hassan Naqvi	International	2020	Detection of Subacute Intestinal Obstruction from Surface Electromyography Signatures	2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan					Published
20	Engr. Zohaib Hassan Naqvi	International	2020	Classification of Coronary Artery Diseases using Electrocardiogram Signals	2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan					Published
21	Engr. Zohaib Hassan Naqvi	International	2020	Pattern Analysis Towards Human Verification using Photoplethysmograph Signals	2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan					Published
22	Engr. Zohaib Hassan Naqvi	International	2020	Electricity Theft Detection using Empirical Mode Decomposition and K-Nearest Neighbors	2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan					Published
23	Engr. Zohaib Hassan Naqvi	International	2020	Emotion Recognition System using Pulse Plethysmograph	2020 International Conference on Emerging Trends					Published

					in Smart Technologies (ICETST), Pakistan					
24	Engr. Zohaib Hassan Naqvi	International	2020	Machine Bearing Fault Diagnosis System using Tri-Axial Accelerometer	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
25	Engr. Zohaib Hassan Naqvi	International	2020	Electrocardiography based System for Characterization of Diabetes	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
26	Engr. Zohaib Hassan Naqvi	International	2020	Effect of Al-Quran Recitation on Human Physiology	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
27	Engr. Zohaib Hassan Naqvi	International	2020	Surface Electromyography based Pakistani Sign Language Interpreter	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
28	Engr. Zohaib Hassan Naqvi	International	2020	Classification of Myocardial Infarction using MFCC and Ensemble Subspace KNN	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
29	Engr. Zohaib Hassan Naqvi	International	2020	Biometric Authentication based on EMG Signals of Speech	2020 International Conference on Electrical, Communication, and Computer					Published

					Engineering (ICECCE), Turkey					
30	Engr. Zohaib Hassan Naqvi	International	2020	Spectral Analysis of Lungs sounds for Classification of Asthma and Pneumonia Wheezing	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
31	Engr. Zohaib Hassan Naqvi	International	2020	Electrocardiogram based Gender Classification	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
32	Engr. Zohaib Hassan Naqvi	International	2020	Electrocardiography based Biometric Verification System	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
33	Engr. Zohaib Hassan Naqvi	International	2020	Automated Detection and Classification of Multichannel Lungs Signals using EMD	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
34	Engr. Zohaib Hassan Naqvi	International	2020	Pakistani Phrasal Sign Language Classification using Surface Electromyography	2020 International Conference on Computing and Information Technology (ICCIT-1441), KSA					Published
35	Engr. Zohaib Hassan Naqvi	International	2020	Intelligent System for Human Context Recognition	2020 International Conference on Computing and Information Technology (ICCIT-1441), KSA					Published

36	Engr. Zohaib Hassan Naqvi	International	2020	Electrohysterogram based Term and Preterm Delivery Classification System	2020 First International Conference of Smart Systems and Emerging Technologies (SMARTTECH), KSA					Published
37	Engr. Zohaib Hassan Naqvi	International	2020	Cardiotocography: An indicator to predict Vaginal and Cesarean Deliveries	2020 First International Conference of Smart Systems and Emerging Technologies (SMARTTECH), KSA					Published
38	Engr. Zohaib Hassan Naqvi	International	2020	Vibration Signal Analysis Towards Early Detection of Machine Faults	2020 First International Conference of Smart Systems and Emerging Technologies (SMARTTECH), KSA					Published
39	Engr. Zohaib Hassan Naqvi	International	2020	Emotion Recognition System featuring a fusion of Electrocardiogram and Photoplethysmogram Features	2020 14th International Conference on Open Source Systems and Technologies (ICOSST), Pakistan					Published
40	Engr. Zohaib Hassan Naqvi	International	2020	An Automated System for Classification of Chronic Obstructive Pulmonary Disease and Pneumonia Patients Using Lung Sound Analysis	MDPI Sensors, November 2020 (IF: 3.275)					Published
41	Engr. Muhammad Atif Imtiaz	International	2020	Wearable Scene Classification System for Visually Impaired Individuals	International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Istanbul, Turkey					Published

42	Engr. Muhammad Atif Imtiaz	International	2020	"Detection of Acute Coronary Syndrome using Electrocardiogram Signal Analysis	International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Istanbul, Turkey					Published
43	Engr. Muhammad Atif Imtiaz	International	2020	Machine Bearing Fault Diagnosis System using Tri-Axial Accelerometer	International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Istanbul, Turkey					Published
44	Engr. Muhammad Atif Imtiaz	International	2020	"Biometric Authentication based on EMG Signals of Speech	International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Istanbul, Turkey					Published
45	Engr. Muhammad Atif Imtiaz	International	2019	Detection of Myocardial Infarction using Pulse Plethysmograph Signals	International Conference on Frontiers of Information Technology (FIT), Islamabad					Published
46	Engr. Muhammad Atif Imtiaz	International	2019	"System Design for Early Fault Diagnosis of Machines using Vibration Features	International Conference on Power Generation Systems and Renewable Energy Technologies (PGSRET), Istanbul, Turkey					Published
47	Engr. Muhammad Atif Imtiaz	International	2018	"Control System Design, Analysis & Implementation of Two Wheeled Self Balancing Robot (TWSBR)	IEEE 9th Annual Information Technology, Electronics and					Published

					Mobile Communication Conference (IEMCON), Vancouver					
48	Engr. Muhammad Atif Imtiaz	International	2018	Embedded System Design for Visual Scene Classification	IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), Vancouver					Published
49	Engr. Sumair Aziz	International	2018	Embedded System Design for Visual Scene Classification	IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), Vancouver					Published
50	Engr. Muhammad Umar Khan	International	2020	Classification of Myocardial Infarction using MFCC and Ensemble Subspace KNN	International Conference on Electrical, Communication, and Computer Engineering (ICECCE)					Published
51	Engr. Muhammad Umar Khan	International	2020	Detection of Acute Coronary Syndrome using Electrocardiogram Signal Analysis.	International Conference on Electrical, Communication, and Computer Engineering (ICECCE)					Published
52	Engr. Muhammad Umar Khan	International	2020	Electrocardiogram based Gender Classification.	International Conference on Electrical, Communication, and Computer					Published

					Engineering (ICECCE)					
53	Engr. Muhammad Umar Khan	International	2020	Biometric System using PCG Signal Analysis: A New Method of Person Identification	International Conference on Electrical, Communication, and Computer Engineering (ICECCE)					Published
54	Engr. Muhammad Umar Khan	International	2020	Effect of Al-Quran Recitation on Human Physiology	International Conference on Electrical, Communication, and Computer Engineering (ICECCE)					Published
55	Engr. Muhammad Umar Khan	International	2020	Biometric Authentication based on EMG Signals of Speech	International Conference on Electrical, Communication, and Computer Engineering (ICECCE)					Published
56	Engr. Muhammad Umar Khan	International	2020	Classification of Coronary Artery Diseases using Electrocardiogram Signals	International Conference on Emerging Trends in Smart Technologies (ICETST) IEEE					Published
57	Engr. Muhammad Umar Khan	International	2020	Pattern Analysis Towards Human Verification using Photoplethysmograph Signals	International Conference on Emerging Trends in Smart Technologies (ICETST) IEEE					Published
58	Engr. Muhammad Umar Khan	International	2020	IoT and Wireless Sensor Network based Autonomous Farming Robot.	International Conference on Emerging Trends in Smart Technologies (ICETST) IEEE					Published

59	Engr. Muhammad Umar Khan	International	2020	Detection of Subacute Intestinal Obstruction from Surface Electromyography Signatures	International Conference on Emerging Trends in Smart Technologies (ICETST) IEEE					Published
60	Engr. Muhammad Umar Khan	International	2019	Detection of Myocardial Infarction using Pulse Plethysmograph Signals	2019 International Conference on Frontiers of Information Technology (FIT) IEEE					Published
61	Engr. Muhammad Umar Khan	International	2019	Biometric Authentication System Based on Electrocardiogram (ECG)	13 th International Conference on Mathematics, Actuarial Science, Computer Science and Statistics (MACS) IEEE 2019					Published
62	Engr. Muhammad Umar Khan	International	2019	Prediction of Acute Coronary Syndrome Using Pulse Plethysmograph	4th International Conference on Emerging Trends in Engineering, Sciences and Technology (ICEEST) IEEE.					Published
63	Engr. Muhammad Umar Khan	International	2019	Characterization of term and preterm deliveries using electrohysterograms signatures	IEEE 10th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON) – IEEE					Published
64	Engr. Muhammad Umar Khan	International	2019	Classification of EMG Signals for Assessment of Neuromuscular Disorder using Empirical Mode Decomposition and Logistic Regression	2019 International Conference on Applied and Engineering Mathematics (ICAEM) IEEE					Published

65	Engr. Muhammad Umar Khan	International	2019	System Design for Early Fault Diagnosis of Machines using Vibration Features.	International Conference on Power Generation Systems and Renewable Energy Technologies (PGSRET) IEEE					Published
66	Engr. Sumair Aziz	International	2017	A framework for fall detection of elderly people by analyzing environmental sounds through acoustic local ternary patterns	IEEE International Conference on Systems, Man, and Cybernetics (SMC), Canada					Published
67	Engr. Sumair Aziz	International	2018	Vision Based Autonomous Runway Identification and Position Estimation for UAV Landing	International Conference on Artificial Intelligence and Data Processing (IDAP), Turkey					Published
68	Engr. Sumair Aziz	International	2018	Embedded System Design for Visual Scene Classification	2018 IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), Canada					Published
69	Engr. Sumair Aziz	International	2018	Control System Design, Analysis & Implementation of Two Wheeled Self Balancing Robot (TWSBR)	2018 IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), Canada					Published
70	Engr. Sumair Aziz	International	2019	Classification of EMG Signals for Assessment of Neuromuscular Disorder using Empirical Mode Decomposition and Logistic Regression	2019 International Conference on Applied and Engineering Mathematics (ICAEM), Pakistan					Published

71	Engr. Sumair Aziz	International	2019	Characterization of term and preterm deliveries using electrohysterograms signatures	2019 IEEE 10th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), Canada					Published
72	Engr. Sumair Aziz	International	2019	ECG-based Biometric Authentication using Empirical Mode Decomposition and Support Vector Machines	2019 IEEE 10th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), Canada					Published
73	Engr. Sumair Aziz	International	2019	Image Pattern Classification for Plant Disease Identification using Local Tri-directional Features	2019 IEEE 10th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), Canada					Published
74	Engr. Sumair Aziz	International	2019	System Design for Early Fault Diagnosis of Machines using Vibration Features	2019 International Conference on Power Generation Systems and Renewable Energy Technologies (PGSRET), Turkey					Published
75	Engr. Sumair Aziz	International	2019	Detection of Dilated Cardiomyopathy using Pulse Plethysmographic Signal Analysis	2019 22nd International Multitopic Conference (INMIC), Pakistan					Published
76	Engr. Sumair Aziz	International	2019	Automated Detection and Classification of Gastrointestinal Diseases using surface-EMG Signals	2019 22nd International Multitopic					Published

					Conference (INMIC), Pakistan					
77	Engr. Sumair Aziz	International	2019	Prediction of Acute Coronary Syndrome Using Pulse Plethysmograph	2019 4th International Conference on Emerging Trends in Engineering, Sciences and Technology (ICEEST), Pakistan					Published
78	Engr. Sumair Aziz	International	2019	An Automated System towards Diagnosis of Pneumonia using Pulmonary Auscultations	2019 13th International Conference on Mathematics, Actuarial Science, Computer Science and Statistics (MACS), Pakistan					Published
79	Engr. Sumair Aziz	International	2019	Biometric Authentication System Based on Electrocardiogram (ECG)	2019 13th International Conference on Mathematics, Actuarial Science, Computer Science and Statistics (MACS), Pakistan					Published
80	Engr. Sumair Aziz	International	2019	Electromyography (EMG) Data-Driven Load Classification using Empirical Mode Decomposition and Feature Analysis	2019 International Conference on Frontiers of Information Technology (FIT), Pakistan					Published
81	Engr. Sumair Aziz	International	2019	Detection of Myocardial Infarction using Pulse Plethysmograph Signals	2019 International Conference on Frontiers of Information Technology (FIT), Pakistan					Published
82	Engr. Sumair Aziz	International	2020	Detection of Subacute Intestinal Obstruction from Surface Electromyography Signatures	2020 International Conference on Emerging Trends in					Published

					Smart Technologies (ICETST), Pakistan					
83	Engr. Sumair Aziz	International	2020	IoT and wireless sensor network based autonomous farming robot	2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan					Published
84	Engr. Sumair Aziz	International	2020	Classification of Coronary Artery Diseases using Electrocardiogram Signals	2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan					Published
85	Engr. Sumair Aziz	International	2020	Pattern Analysis Towards Human Verification using Photoplethysmograph Signals	2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan					Published
86	Engr. Sumair Aziz	International	2020	Pattern Analysis for Classification of Power Quality Disturbances	2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan					Published
87	Engr. Sumair Aziz	International	2020	Electricity Theft Detection using Empirical Mode Decomposition and K-Nearest Neighbors	2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan					Published
88	Engr. Sumair Aziz	International	2020	Emotion Recognition System using Pulse Plethysmograph	2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan					Published
89	Engr. Sumair Aziz	International	2020	Metabolic evaluation of brain tumor using magnetic resonance spectroscopy	Materials Today: Proceedings					Published

					(Elsevier), June 2020					
90	Engr. Sumair Aziz	International	2020	Machine Bearing Fault Diagnosis System using Tri-Axial Accelerometer	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
91	Engr. Sumair Aziz	International	2020	Wearable Scene Classification System for Visually Impaired Individuals	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
92	Engr. Sumair Aziz	International	2020	Electrocardiography based System for Characterization of Diabetes	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
93	Engr. Sumair Aziz	International	2020	Effect of Al-Quran Recitation on Human Physiology	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
94	Engr. Sumair Aziz	International	2020	Surface Electromyography based Pakistani Sign Language Interpreter	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
95	Engr. Sumair Aziz	International	2020	Detection of Acute Coronary Syndrome using Electrocardiogram Signal Analysis	2020 International Conference on Electrical, Communication,					Published

					and Computer Engineering (ICECCE), Turkey					
96	Engr. Sumair Aziz	International	2020	Biometric Authentication based on EMG Signals of Speech	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
97	Engr. Sumair Aziz	International	2020	Spectral Analysis of Lungs sounds for Classification of Asthma and Pneumonia Wheezing	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
98	Engr. Sumair Aziz	International	2020	Biometric System using PCG Signal Analysis: A New Method of Person Identification	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
99	Engr. Sumair Aziz	International	2020	Electrocardiogram based Gender Classification	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
100	Engr. Sumair Aziz	International	2020	Electrocardiography based Biometric Verification System	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
101	Engr. Sumair Aziz	International	2020	Deep Learning-based Automatic Morphological Classification of Leukocytes using Blood Smears	2020 International Conference on Electrical, Communication,					Published

					and Computer Engineering (ICECCE), Turkey					
102	Engr. Sumair Aziz	International	2020	Electrooculogram based Communication System for People with Locked-in-Syndrome	2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
103	Engr. Sumair Aziz	International	2020	ECG Signal Analysis for Classification of Congenital Heart Defects	2020 International Conference on Computing and Information Technology (ICCIT-1441), Saudi Arabia					Published
104	Engr. Sumair Aziz	International	2020	Pakistani Phrasal Sign Language Classification using Surface Electromyography	2020 International Conference on Computing and Information Technology (ICCIT-1441), Saudi Arabia					Published
105	Engr. Sumair Aziz	International	2020	Intelligent System for Human Context Recognition	2020 International Conference on Computing and Information Technology (ICCIT-1441), Saudi Arabia					Published
106	Engr. Sumair Aziz	International	2020	Image Pattern Analysis towards Classification of Skin Cancer through Dermoscopic Images	2020 First International Conference of Smart Systems and Emerging Technologies (SMARTTECH), Saudi Arabia					Published
107	Engr. Sumair Aziz	International	2020	Electrohysterogram based Term and Preterm Delivery Classification System	2020 First International Conference of Smart Systems and Emerging Technologies					Published

					(SMARTTECH), Saudi Arabia					
108	Engr. Sumair Aziz	International	2020	Cardiotocography: An indicator to predict Vaginal and Cesarean Deliveries	2020 First International Conference of Smart Systems and Emerging Technologies (SMARTTECH), Saudi Arabia					Published
109	Engr. Sumair Aziz	International	2020	Vibration Signal Analysis Towards Early Detection of Machine Faults	2020 First International Conference of Smart Systems and Emerging Technologies (SMARTTECH), Saudi Arabia					Published
110	Engr. Sumair Aziz	International	2020	A signal analysis approach towards detection and classification of power quality disturbances	2020 First International Conference of Smart Systems and Emerging Technologies (SMARTTECH), Saudi Arabia					Published
111	Engr. Sumair Aziz	International	2020	Vehicle Make and Model Recognition using Deep Transfer Learning and Support Vector Machines	2020 IEEE 23rd International Multitopic Conference (INMIC), Pakistan					Published
112	Engr. Sumair Aziz	International	2020	Emotion Recognition System featuring a fusion of Electrocardiogram and Photoplethysmogram Features	2020 14th International Conference on Open Source Systems and Technologies (ICOSST), Pakistan					Published
113	Engr. Sumair Aziz	International	2021	Cucumber Leaf Disease Classification using Local Tridirectional Patterns and Haralick Features	2021 International Conference on Artificial					Published

					Intelligence (ICAI), Islamabad, Pakistan					
114	Engr. Sumair Aziz	International	2021	Soft computing approach for classification of complex power quality events	2021 International Conference on Artificial Intelligence (ICAI), Islamabad, Pakistan					Published
115	Engr. Sumair Aziz	International	2021	Automatic Classification of Modulation Schemes under Blind Scenario	2021 International Conference on Artificial Intelligence (ICAI), Islamabad, Pakistan					Published
116	Engr. Sumair Aziz	International	2021	Photoplethysmography Based Detection of Social Stress	2021 International Conference on Artificial Intelligence (ICAI), Islamabad, Pakistan					Published
117	Engr. Sumair Aziz	International	2021	A Survey on AI-based ECG, PPG, and PCG Signals Based Biometric Authentication System	2021 International Conference on Computing, Electronic and Electrical Engineering (ICE Cube), Pakistan					Published
118	Engr. Sumair Aziz	International	2021	Transfer learning-based method for detection of COVID-19 using X-Ray Images	2021 International Conference on Robotics and Automation in Industry (ICRAI)					Published
119	Engr. Sumair Aziz	International	2021	Freezing of Gait Detection in Parkinson's Disease from Accelerometer Readings	IEEE - 2021 Mohammad Ali Jinnah University International Conference on Computing (MAJICC)					Published

120	Engr. Sumair Aziz	International	2021	Phonocardiogram based Method for the Classification of Coronary Artery Diseases	IEEE - 2021 Mohammad Ali Jinnah University International Conference on Computing (MAJICC)					Published
121	Engr. Sumair Aziz	International	2021	Diagnosis of Cardiac Disorders Featuring Pulse Plethysmograph Signals	IEEE - 2021 Mohammad Ali Jinnah University International Conference on Computing (MAJICC)					Published
122	Engr. Sumair Aziz	International	2021	Support vector machine-based diagnosis of Tuberculosis	IEEE - 2021 Mohammad Ali Jinnah University International Conference on Computing (MAJICC)					Published
123	Engr. Sumair Aziz	International	2021	Music Genre Classification using Support Vector Machine and Empirical Mode Decomposition	IEEE - 2021 Mohammad Ali Jinnah University International Conference on Computing (MAJICC)					Published
124	Engr. Sumair Aziz	International	2022	Feature Matching and Deep Learning Models for Attitude Estimation on a Micro-Aerial Vehicle	2022 International Conference on Cybernetics and Innovations (ICCI), Thailand					Published
125	Engr. Sumair Aziz	International	2022	Multi-Channel EMG Signal analysis for Italian Sign Language Interpretation	2022 International Conference on Emerging Trends in Smart Technologies (ICETST)					Published
126		International	2021		IEEE, 2021 International					Published

127	Engr. Muhammad Umar Khan			Cucumber Leaf Disease Classification using Local Tri-directional Patterns and Haralick Features	Conference on Artificial Intelligence (ICAI), Pakistan					
	Engr. Muhammad Umar Khan	International	2021	Soft computing approach for classification of complex power quality events	IEEE, 2021 International Conference on Artificial Intelligence (ICAI), Pakistan					Published
128	Engr. Muhammad Umar Khan	International	2021	Automatic Classification of Modulation Schemes under Blind Scenario	IEEE, 2021 International Conference on Artificial Intelligence (ICAI), Pakistan					Published
129	Engr. Zohaib Hassan Naqvi	International	2021	Detection of Insomnia using Electrocardiography and Electromyography	IEEE, 2021 International Conference on Artificial Intelligence (ICAI), Pakistan					Published
130	Engr. Muhammad Umar Khan	International	2020	Cardiotocography: An indicator to predict Vaginal and Cesarean Deliveries	IEEE, 2020 International Conference of Smart Systems and Emerging Technologies (SMARTTECH), Saudi Arabia					Published
131	Engr. Sumair Aziz	International	2020	A signal analysis approach towards detection and classification of power quality disturbances	IEEE, 2020 International Conference of Smart Systems and Emerging Technologies (SMARTTECH), Saudi Arabia					Published
132	Engr. Sumair Aziz	International	2020	Vibration Signal Analysis Towards Early Detection of Machine Faults	IEEE, 2020 International Conference of Smart Systems and					Published

					Emerging Technologies (SMARTTECH), Saudi Arabia					
133	Engr. Muhammad Umar Khan	International	2020	Electrohysterogram based Term and Preterm Delivery Classification System	IEEE, 2020 International Conference of Smart Systems and Emerging Technologies (SMARTTECH), Saudi Arabia					Published
134	Engr. Sumair Aziz	International	2020	Intelligent System for Human Context Recognition	IEEE, 2020 International Conference on Computing and Information Technology (ICCIT-1441), Saudi Arabia					Published
135	Engr. Muhammad Umar Khan	International	2020	Pakistani Phrasal Sign Language Classification using Surface Electromyography	IEEE, 2020 International Conference on Computing and Information Technology (ICCIT-1441), Saudi Arabia					Published
136	Engr. Muhammad Umar Khan	International	2020	ECG Signal Analysis for Classification of Congenital Heart Defects	IEEE, 2020 International Conference on Computing and Information Technology (ICCIT-1441), Saudi Arabia					Published
137	Engr. Sumair Aziz	International	2020	Electrocardiography based Biometric Verification System	IEEE, 2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published

138	Engr. Muhammad Umar Khan	International	2020	Classification of Myocardial Infarction using MFCC and Ensemble Subspace KNN	IEEE, 2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
139	Engr. Muhammad Umar Khan	International	2020	Detection of Acute Coronary Syndrome using Electrocardiogram Signal Analysis	IEEE, 2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
140	Engr. Muhammad Umar Khan	International	2020	Surface Electromyography based Pakistani Sign Language Interpreter	IEEE, 2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
141	Engr. Zohaib Hassan Naqvi	International	2020	Electrocardiography based System for Characterization of Diabetes	IEEE, 2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
142	Engr. Sumair Aziz	International	2020	Electrooculogram based Communication System for People with Locked-in-Syndrome	IEEE, 2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published

143	Engr. Muhammad Umar Khan	International	2020	Electrocardiogram based Gender Classification	IEEE, 2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
144	Engr. Zohaib Hassan Naqvi	International	2020	Spectral Analysis of Lungs sounds for Classification of Asthma and Pneumonia Wheezing	IEEE, 2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
145	Engr. Atif Imtiaz	International	2020	Wearable Scene Classification System for Visually Impaired Individuals	IEEE, 2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
146	Engr. Sumair Aziz	International	2020	Machine Bearing Fault Diagnosis System using Tri-Axial Accelerometer	IEEE, 2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
147	Engr. Muhammad Umar Khan	International	2020	Biometric System using PCG Signal Analysis: A New Method of Person Identification	IEEE, 2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published

148	Engr. Zohaib Hassan Naqvi	International	2020	Effect of Al-Quran Recitation on Human Physiology	IEEE, 2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
149	Engr. Sumair Aziz	International	2020	Deep Learning-based Automatic Morphological Classification of Leukocytes using Blood Smears	IEEE, 2020 International Conference on Electrical, Communication, and Computer Engineering (ICECCE), Turkey					Published
150										Published
151	Engr. Muhammad Umar Khan)	International	2020	Classification of Coronary Artery Diseases using Electrocardiogram Signals	IEEE, 2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan					Published
152	Engr. Zohaib Hassan Naqvi	International	2020	Emotion Recognition System using Pulse Plethysmograph	IEEE, 2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan					Published
153										Published
154	Engr. Sumair Aziz	International	2020	Electricity Theft Detection using Empirical Mode Decomposition and K-Nearest Neighbors	IEEE, 2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan					Published
155	Engr. Sumair Aziz	International	2020	Pattern Analysis for Classification of Power Quality Disturbances	IEEE, 2020 International Conference on Emerging Trends in Smart					Published

					Technologies (ICETST), Pakistan					
156	Engr. Muhammad Umar Khan	International	2020	Pattern Analysis Towards Human Verification using Photoplethysmograph Signals	IEEE, 2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan					Published
157	Engr. Muhammad Umar Khan	International	2020	Detection of Subacute Intestinal Obstruction from Surface Electromyography Signatures	IEEE, 2020 International Conference on Emerging Trends in Smart Technologies (ICETST), Pakistan					Published
158	Engr. Muhammad Umar Khan	International	2019	Detection of Myocardial Infarction using Pulse Plethysmograph Signals	IEEE, 2019 International Conference on Frontiers of Information Technology (FIT), Pakistan					Published
159	Engr. Sumair Aziz	International	2019	An Automated System towards Diagnosis of Pneumonia using Pulmonary Auscultations	IEEE, 2019 13th International Conference on Mathematics, Actuarial Science, Computer Science and Statistics (MACS), Pakistan					Published
160	Engr. Muhammad Umar Khan	International	2019	Biometric Authentication System Based on Electrocardiogram (ECG)	IEEE, 2019 13th International Conference on Mathematics, Actuarial Science, Computer Science and Statistics (MACS), Pakistan					Published

161	Engr. Muhammad Umar Khan	International	2019	Prediction of Acute Coronary Syndrome Using Pulse Plethysmograph	IEEE, 2019 4th International Conference on Emerging Trends in Engineering, Sciences and Technology (ICEEST), Pakistan					Published
162	Engr. Muhammad Umar Khan	International	2019	Automated Detection and Classification of Gastrointestinal Diseases using surface-EMG Signals	IEEE, 2019 22nd International Multitopic Conference (INMIC), Pakistan					Published
163	Engr. Muhammad Umar Khan	International	2019	Detection of Dilated Cardiomyopathy using Pulse Plethysmographic Signal Analysis	IEEE, 2019 22nd International Multitopic Conference (INMIC), Pakistan					Published
164	Engr. Muhammad Umar Khan	International	2019	Classification of EMG Signals for Assessment of Neuromuscular Disorder using Empirical Mode Decomposition and Logistic Regression	IEEE, 2019 International Conference on Applied and Engineering Mathematics (ICAEM), Pakistan					Published
165	Engr. Muhammad Umar Khan	International	2019	System Design for Early Fault Diagnosis of Machines using Vibration Features	IEEE, 2019 International Conference on Power Generation Systems and Renewable Energy Technologies (PGSRET), Pakistan					Published

166	Dr. Syed Zohaib Hassan Naqvi	International	2023	Biofusion: Expanding Biometric Horizons with ECG and PCG Integration	2023 3rd International Conference on Digital Futures and Transformative Technologies (ICoDT2), pp. 1-6. IEEE, 2023.					Published
167	Muhammad Faraz	International	2023	Fall Detection System using a single Accelerometer through Machine Learning	2023 3rd International Conference on Digital Futures and Transformative Technologies (ICoDT2), pp. 1-7. IEEE, 2023.					Published
168		International	2023	Power of Cepstrum meets EMG: Detecting ALS and Myopathy	2023 3rd International Conference on Digital Futures and Transformative Technologies (ICoDT2), pp. 1-6. IEEE, 2023.					Published
169	Muhammad Faraz	International	2023	"Intelligent System for the Diagnosis of Schizophrenia featuring Brain Textures from EEG."	In 2023 3rd International Conference on Artificial Intelligence (ICAI), pp. 82-87. IEEE, 2023.					Published
170	Dr. Syed Zohaib Hassan Naqvi	International	2023	'An Automated System for the Classification of Bronchiolitis and Bronchiectasis Diseases using Lung Sound Analysis', in	2023 International Conference on Robotics and Automation in Industry (ICRAI), 2023, pp. 1–6.	1-6				Published

171	Dr. Syed Zohaib Hassan Naqvi	International	2023	'EMG-based Feature Engineering Approach for Load Classification', in	2023 2nd International Conference on Emerging Trends in Electrical, Control, and Telecommunication Engineering (ETECTE),	1-6				Published
172	Dr. Zohaib Hassan Naqvi	International	2024	An android applications vulnerability analysis using MobSF	2024 International Conference on Engineering & Computing Technologies (ICECT)	6				Published
173	Dr. Zohaib Hassan Naqvi	International	2024	Identification of Bearing Faults Through Vibrational Signal Analysis Using Automated Relative Energy based Empirical Mode Decomposition	2024 19th International Conference on Emerging Technologies (ICET)	6				Published
174	Dr. Zohaib Hassan Naqvi	International	2024	Deep Learning-Based MRI Image Classification for Early-Stage Alzheimer's Disease Diagnosis	2024 19th International Conference on Emerging Technologies (ICET)	6				Published
175	Dr. Zohaib Hassan Naqvi	International	2024	Dermoscopic Image Analysis for Skin Cancer Detection Using Deep Features and Support Vector Machines	2024 19th International Conference on Emerging Technologies (ICET)	6				Published
176	Dr. Zohaib Hassan Naqvi	International	2024	Pattern Analysis Framework for Detection of Cardiac Disorders using VCG Signal Analysis	2024 19th International Conference on Emerging Technologies (ICET)	6				Published

177	Dr. Zohaib Hassan Naqvi	International	2024	Detecting Lung Infections with Empirical Mode Decomposition and Neural Networks	2024 19th International Conference on Emerging Technologies (ICET)	6					Published
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