

RESEARCH PUBLICATIONS		
2016		
S. No.	Electronics and Communication Engineering	Impact Factor
1	Singla P., Saxena J (2016) Performance Analysis of Gaussian Approximation in Wide Band Code Division Multiple Access System Over Various Fading Channels <i>International Journal of Systems, Control and Communications</i> ,7, 45-67.	UGC Care
2	Goyal H, Saxena J, Dewra S (2016) Performance Evaluation of OWC Using Different Modulation Techniques, <i>Journal of Optical Communications</i> , 37, 391-394.	UGC Care
3	Bhatia R, Sharma AK, Saxena J (2016) Comparative investigations of DWDM transmission system with PMD for different orthogonally modulated signals at 80Gb/s. <i>International Journal of Communication Systems</i> , 29, 1084-1090.	2.047
4	Bhatia R, Sharma AK, Saxena J (2016) Improved Analysis of four wave mixing with sub-plank higher-order dispersion parameters in optical communication systems, <i>Optik</i> , 127, 9474-9478.	2.443
5	Gill N, Puthucheri S, Agarwala V, Singh D (2016) Critical analysis of frequency selective surfaces embedded composite microwave absorber for frequency range 2-8GHz, <i>Journal of Materials Science: Materials in Electronics</i> 28, 1259-1270.	UGC Care
6	Kaur N, Bansal S, Bansal RK, (2016) Energy efficient duplication-based scheduling for precedence constrained tasks on heterogeneous computing cluster, <i>Multiagent and grid systems</i> , 12, 239-252.	UGC care
7	Kaur M, Bansal S, (2016) Analyzing block type channel estimation for OFDM based digital communication system, <i>MATEC Web of Conferences</i> 57, 1-4.	UGC Care
8	Kakkar S, Rani S (2016) Implementation of Fractal Geometry to Enhance the Bandwidth of CPW Fed Printed Monopole Antenna, <i>IETE Journal of Research</i> , 63,23-30.	1.076
9	Manocha AK, Singh M (2016) Ischemia detection in ECG signals using statistical analysis-based approach. <i>Far East Journal of Electronics and Communications</i> ,3,837-850.	1.37
10	Bajaj P, Goel AK, Singh H (2016) Application of artificial neural networks for maximum reflectivity of fiber Bragg grating. <i>Far East Journal of Electronics and Communications</i> ,3, 505-518	1.37
2017		
1	Singh H, Bansal S (2017) Channel estimation with ISFLA based pilot pattern optimization for MIMO OFDM system. <i>International Journal of Electronics and Communications</i> , 81, 143-149.	3.183

2	Singh H, Bansal S (2017) Improvement in time varying multipath channel estimation. <i>Indian Journal of Science and Technology</i> , 124-126.	UGC listed
3	Kaur N, Bansal S, Bansal RK (2017) Duplication-controlled static energy-efficient scheduling on multiprocessor computing system. <i>Concurrency and Computation Practice and Experience</i> , 29, 4124.	1.536
4	Singh H, Bansal S (2017) Feedback based channel estimation for time varying multipath system. <i>WSEAS Transactions on Communications</i> , 16, 272-280.	UGC listed
5	Kaur T, Kakkar S, Rani S (2017) Smart homes: Sensible living using internet of things. <i>Indian Journal Science and Technology</i> , 10, 1-8.	UGC listed
6	Kaur N, Bansal S, Bansal RK (2017) Energy conscious scheduling with controlled threshold for precedence- constrained tasks on heterogeneous clusters. <i>Concurrent Engineering Research and Application</i> , 25, 276-286	2.2
2018		
1	Kumar A, Saxena J, Kumar R, Kaur R (2018) MA mitigation in MC-CDMA systems using social impact based wireless communication algorithm. <i>Wireless Personal Communication</i> , 101, 1765-1786.	1.671
2	Gupta N, Saxena J, Bhatia KS (2018) Design optimization of CPW-fed microstrip patch antenna using constrained ABFO algorithm. <i>Soft Computing</i> , 22, 8301-8315.	3.643
3	Gill N, Puthucheri S, Singh J, Singh D (2018) Thin and broadband two-layer microwave absorber in 4-12 GHz with developed flaky cobalt material. <i>Electronic Materials Letters</i> , 14, 288-297.	3.017
4	Baghla S, Bansal S (2018) Vikormadm based optimization method for vertical handover in heterogeneous networks. <i>Advances in Systems Science and Applications</i> , 3, 90-110.	Scopus indexed
5	Baghla S, Bansal S (2018) An approach to energy efficient vertical handover technique for heterogeneous networks. <i>International Journal of Information Technology</i> , 10, 359-366.	Scopus indexed
2020		
1	Sharma M (2020) Categorization of self-care problem for children with disabilities using partial swarm optimization approach <i>International Journal of Information Technology</i> 14, 1835–1843	2.22
2	Sharma M, Monika, Kumar N, Kumar P. (2020) Badminton match outcome prediction model using naive bayes and feature weighting technique. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 12, 8441-8455.	7.104
3	Goel N, Kaur H, Saxena J. (2020) Modified decision based unsymmetric adaptive neighborhood trimmed mean filter for	

	removal of very high density salt and pepper noise. <i>Multimedia Tools and Applications</i> , 79, 19739- 19768.	2.757
4	Gupta N, Saxena J, Bhatia KS, Kumar R. (2020) A compact CPW-fed planar stacked circle patch antenna for wideband applications. <i>Wireless Personal Communications</i> , 116, 3247- 3260.	1.671
5	Bansal S, Bansal RK, Arora K. (2020) Energy- cognizant scheduling for preference-oriented fixed-priority real-time tasks <i>Journals of System Architecture</i> , 108, 101473.	3.777
6	Baghla S, Bansal S. (2020) Power consumption-based dynamic network selection in heterogeneous networks. <i>National Academy Science Letters</i> , 43, 33-36.	0.788
7	Sharma S, Bansal RK, Bansal S (2020) Multi- level heterogeneity-aware energy-efficient clustering technique for wireless sensor Networks <i>Telecommunications and Radio Engineering</i> , 79, 903-917.	UGC Care
8	Gupta N, Saxena J, Bhatia KS (2020) Optimized metamaterial-loaded fractal antenna using modified hybrid BF-PSO algorithm. <i>Neural Computing and Applications</i> , 32, 7153-7169.	UGC Care
9	Gupta A, Manocha AK (2020) Performance enhancements of physical systems by reduced- order modelling and simulation <i>International Journal of Modelling, Identification and Control</i> , 36,14-23.	1.68
10	Gupta A, Manocha AK, Singh G (2020) Comparative analysis of techniques of order reduction for analysis of vehicle model <i>Advances in Mathematics: Scientific Journal</i> 9 ,4471-4484.	1.494
	2021	
1	Kaur S, Bansal S, Bansal RK (2021) Image steganography for securing secret data using hybrid hiding model <i>Multimedia Tools and Applications</i> , 80, 7749-7769.	2.517
2	Bansal S, Bansal RK, Arora K (2021) Energy efficient backup overloading schemes for fault tolerant scheduling of real-time tasks <i>Journal of Systems Architecture</i> , 113, 101901.	2.574
3	Kakkar S, Rani S, Singh AP, (2021) Triple band notch microstrip patch antenna with fractaldefected ground structure <i>IETE Journal of Research</i> , 1-14.	1.607
4	Sharma M, Kumar N (2021) Improved hepatocellular carcinoma fatality prognosis usingensemble learning approach. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 1-15.	1.714
5	Gupta A, Manocha AK (2021) Designing of 2-degree of freedom load frequency controller for power system using novel improved pole clustering and genetic method of reduced-order modelling. <i>International Transactions on Electrical Energy Systems</i> , 31,e13063.	2.860

6	Rani S, Kakkar S (2021) Modified koch fractal antenna for multi and wideband wireless applications. <i>ECTI Transactions on Electrical Engineering, Electronics, and Communications</i> , 19,182-189.	-----
7	Gupta A, Manocha AK (2021) A novel improved hybrid approach for order reduction of high order physical systems. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 46,90-95.	1.188