

G . Publication Details

Sr.No.	Name of author	Name of paper	Journal name	Year	Page No	Vol no.	IF
1	Raman Singh, Harish Kumar, and RK Singla	A Reference Dataset for Network Traffic Activity based Intrusion Detection System	International Journal of Computer Communication and Control	2015	pp. 390-402	Vol. 10 Issue 3	1.37
2	Raman Singh, Harish Kumar, and RK Singla	An Intrusion Detection System using Network Traffic Profiling and Online Sequential Extreme Learning Machine	Expert Systems with Applications	2015	pp. 8609-8624	Vol. 42 Issue 22	4.57
3	Vipul Sharma, and Sukhwinder Singh	Automated classification of fatty and dense mammograms	Journal of Medical Imaging and Health Informatics	2015	pp. 520-526.	Vol. 5 Issue 3	0.54
4	Amandeep Verma, and Sakshi Kaushal	Cost-time efficient scheduling plan for executing workflows in the cloud	Journal of grid computing	2015	pp. 495-506	Vol. 13 Issue 4	2.89
5	Akshay Gore, and Savita Gupta	Full reference image quality metrics for JPEG compressed images.	AEU-International Journal of Electronics and Communications	2015	pp. 604-608.	Vol. 69 Issue 2	2.52
6	Akshay Girdhar, Savita Gupta, and Jaskaran Bhullar	Weighted variance-based scale adaptive threshold for despeckling of medical ultrasound images using curvelets	Journal of Medical Imaging and Health Informatics	2015	pp. 272-281	Vol. 5 Issue 2	0.54
7	Ravneet Kaur, and Sarbjeet Singh	A comparative analysis of structural graph metrics to identify anomalies in online social networks	Computers & Electrical Engineering, Elsevier	2016	pp. 294-310	Vol. 57	2.33
8	Raman Kumar Goyal, and Sakshi Kaushal	A constrained non-linear optimization model for fuzzy pairwise comparison matrices using teaching learning based optimization	Applied Intelligence	2016	pp. 652-661	Vol. 45	2.88
9	Navneet Kaur Gill, and Sarbjeet Singh	A dynamic, cost-aware, optimized data replication strategy for heterogeneous cloud data centers	Future Generation Computer Systems	2016	pp. 10-32	Vol. 65	5.67

10	Vishal Gupta, and Narvinder Kaur	A novel hybrid text summarization system for Punjabi text.	Cognitive Computation	2016	pp. 261-277	Vol. 8 Issue 2	3.80
11	Sarbjeeet Singh, and Jagpreet Sidhu	An Approach for Determining Trustworthiness of Individuals in a Web-Based Social Network	Arabian Journal for Science and Engineering	2016	pp. 461-477	Vol. 41 Issue 2	1.25
12	Akashdeep, K. S. Kahlon, and Manisha Kaushal	Analysis of a queue length aware and latency guarantee fuzzy-based adaptive resource allocator for WIMAX networks	Optik - International Journal for Light and Electron Optics	2016	pp. 357-367	Vol. 127 Issue 1	1.19
13	Amit Kamra, V. K. Jain, Sukhwinder Singh, and Sunil Mittal	Characterization of architectural distortion in mammograms based on texture analysis using support vector machine classifier with clinical evaluation	Journal of digital imaging	2016	pp. 104-114.	Vol. 29 Issue 1	2.57
14	Simrat Kaur, Sarbjeeet Singh, Sakshi Kaushal, and Arun Kumar Sangaiah	Comparative Analysis of Quality Metrics for Community Detection in Social Networks using Genetic 4 Algorithm	Neural Network World	2016	pp. 625-641	Vol. 26 Issue 6	1.08
15	Deepika Koundal, Savita Gupta, and Sukhwinder Singh	Nakagami-based total variation method for speckle reduction in thyroid ultrasound images.	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine	2016	Pp. 97-110	Vol. 230 Issue 2	1.14
16	Vishal Gupta and Richard Praseuth	Controversy and Guidance for Biosimilar Labeling	Biotechnology Law Report	2016	pp. 137-139	Vol. 35 Issue 4	0.13
17	Deepika Koundal, Savita Gupta, and Sukhwinder Singh	Automated delineation of thyroid nodules in ultrasound images using spatial neutrosophic clustering and level set	Applied Soft Computing	2016	pp. 86-97	Vol. 40	4.85
18	Nirmal Kaur, Savina Bansal, and Rakesh Kumar Bansal	Energy Conscious Scheduling with Controlled Threshold for Precedence Constrained Tasks on Heterogeneous	Concurrent Engineering: Research And Applications	2016	pp. 276-286	Vol. 25 Issue 3	1.45

		Clusters					
19	Nirmal Kaur, Savina Bansal, and Rakesh Kumar Bansal	Energy Efficient Duplication Based Scheduling For Precedence Constrained Tasks on Heterogeneous Computing Cluster	Multiagent and Grid Systems (SCOPUS, WOS)	2016	pp. 239-252	Vol. 12 Issue 3	0.56
20	Rajanpreet Kaur Chahal, and Sarbjeet Singh	Fuzzy Rule-Based Expert System for Determining Trustworthiness of Cloud Service Providers	International Journal of Fuzzy Systems	2016	pp. 1-17	Vol. 19 Issue 2	2.84
21	Lokesh Jain, Harish Kumar, and RK Singla	Improved Rule Promotion based Localized Crop Information Dissemination System for Farmers of Punjab (India) using Mobile Phone Technology	Journal of Cybernetics and Systems	2016	pp. 499-521	Vol. 47 Issue 6	1.68
22	Jagpreet Sidhu, and Sarbjeet Singh	Improved TOPSIS Method Based Trust Evaluation Framework for Determining Trustworthiness of Cloud Service Providers	Journal of Grid Computing	2016	pp. 81-105	Vol. 15 Issue 1	2.89
23	Preeti Aggarwal, Renu Vig, and H. K. Sardana	Lung cancer detection using fusion of medical knowledge and content based image retrieval for lildc dataset	Journal of Medical Imaging and Health Informatics	2016	pp. 297-311	Vol. 6 Issue 2	0.54
24	Muskan Garg and Mukesh Kumar	Review on Event Detection Techniques in Social Multimedia	Online Information Review	2016	pp. 347-361	Vol. 40 Issue 3	2.59
25	Deepika Koundal, Savita Gupta, and Sukhwinder Singh	Speckle reduction method for thyroid ultrasound images in neutrosophic domain	IET Image Processing	2016	pp. 167-175	Vol. 10 Issue 2	2.61
26	Jasmeet Singh, and Vishal Gupta	Text stemming: approaches, applications, and challenges	ACM Computing Surveys	2016	pp. 45	Vol. 49 Issue 3	6.13
27	Tanu Goyal, and Sakshi Kaushal	An intelligent scheduling scheme for real-time traffic management using Cooperative Game Theory and AHP-TOPSIS methods for next generation telecommunication	Expert Systems with Applications	2017	pp. 125-134	Vol. 86	4.57

		networks					
28	Akashdeep, Ishfaq Manzoor, and Neeraj Kumar	A feature reduced intrusion detection system using ANN classifier	Expert Systems with Applications, Elsevier	2017	pp. 249-257	Vol. 88	4.57
29	Amandeep Verma, and Sakshi Kaushal	A hybrid multi-objective Particle Swarm Optimization for scientific workflow scheduling.	Parallel Computing	2017	pp. 1-19	Vol. 56	1.28
30	Mansi Sahi, and Vishal Gupta	A novel technique for detecting plagiarism in documents exploiting information sources	Cognitive Computation	2017	pp. 852-867	Vol. 9 Issue 6	3.80
31	Poonam Singh, Maitreyee Dutta, and Naveen Aggarwal	A review of task scheduling based on meta-heuristics approach in cloud computing	Knowledge and Information Systems	2017	pp. 1-51	Vol. 52 Issue 1	2.54
32	Jasmeet Singh, and Vishal Gupta	A systematic review of text stemming techniques	Artificial Intelligence Review	2017	pp. 157-217	Vol. 48 Issue 2	5.19
33	Jasmeet Singh, and Vishal Gupta	An efficient corpus-based stemmer	Cognitive Computation	2017	pp. 671-688	Vol. 9 Issue 5	3.80
34	Gurjot Kaur, Jasleen Kaur, Shubhani Aggarwal, Chinu Singla, Nitish Mahajan Sakshi Kaushal, and Arun Kumar Sangaiah	An optimized hardware calibration technique for transmission of real-time applications in VoIP network	Multimedia Tools and Applications	2017	pp. 5537-5570	Vol. 78 Issue 5	2.10
35	Niharika Thakur, and Mamta Juneja	Clustering based approach for segmentation of optic cup and optic disc for detection of glaucoma.	Current Medical Imaging Reviews	2017	pp. 99-105	Vol. 13 Issue 1	0.53
36	Sarbjeet Singh, and Jagpreet Sidhu	Compliance-based Multi-dimensional Trust Evaluation System for determining trustworthiness of Cloud Service Providers	Future Generation Computer Systems	2017	pp. 109-132	Vol. 67	5.67
37	Jagpreet Sidhu, and Sarbjeet Singh	Design and Comparative Analysis of MCDM-based Multidimensional Trust Evaluation Schemes for Determining	Journal of Grid Computing	2017	pp. 1-22	Vol. 15	2.89

		Trustworthiness of Cloud Service Providers					
38	Raahat Devender Singh, and Naveen Aggarwal	Detection and localization of copy-paste forgeries in digital videos	Forensic science international	2017	pp. 75-91	Vol. 281	1.99
39	Raahat Devender Singh, and Naveen Aggarwal	Detection of upscale-crop and splicing for digital video authentication	Digital Investigation	2017	pp. 31-52	Vol. 21	1.77
40	Nirmal Kaur, Savina Bansal, and Rakesh Kumar Bansal	Duplication Controlled Static Energy Efficient Scheduling on Multiprocessor Computing System	Concurrency and Computation: Practice and Experience	2017	pp.1-12	Vol. 29 Issue 12	1.16
41	Ajay Mittal	Generating visually appealing QR codes using colour image embedding	The Imaging Science Journal	2017	pp. 1-13.	Vol. 65 Issue 1	0.84
42	Staffy Kingra, Naveen Aggarwal, and Raahat Devender Singh	Inter-frame forgery detection in H. 264 videos using motion and brightness gradients	Multimedia Tools and Applications	2017	pp. 25767-25786.	Vol. 76 Issue 24	2.10
43	Raman Singh, Harish Kumar, RK Singla, and RR Ketti	Internet Attacks and Intrusion Detection System: Study and Review	Online Information Review	2017	pp. 171-184	Vol. 41 Issue 2	2.52
44	Ajay Mittal, Rahul Hooda, and Sanjeev Sofat	Lung field segmentation in chest radiographs: a historical review, current status, and expectations from deep learning	IET Image Processing	2017	pp. 937-952	Vol. 11 Issue 11	2.61
45	Navneet Kaur, and Sukhwinder Singh	Optimized cost effective and energy efficient routing protocol for wireless body area networks	Ad Hoc Networks	2017	pp. 65-84	Vol. 61	3.33
46	Manisha Kaushal, Baljit Singh, and Akashdeep	Performance evaluation of fuzzy 2-partition entropy and big bang big crunch optimization based object detection and tracking approach	Multidimensional Systems and Signal Processing, Springer	2017	pp. 1579-1611	Vol. 29 Issue 4	2.27
47	Akashdeep, Manisha Kaushal, and Baljit Singh	Proposal and Evaluation of a Fuzzy Logic-Driven Resource	International Journal of Fuzzy Systems	2017	pp. 383-399	Vol. 19 Issue 2	2.84

		Allocation Mechanism					
48	Taranjit Kaur, Barjinder Singh Saini, and Savita Gupta	Quantitative metric for MR brain tumour grade classification using sample space density measure of analytic intrinsic mode function representation.	IET Image Processing	2017	pp. 620-632	Vol. 11 Issue 8	2.07
49	Mankirat Kaur, and Sarbjeet Singh	Ranking based comparative analysis of graph centrality measures to detect negative nodes in online social networks	Journal of Computational Science, Elsevier	2017	pp. 91-108	Vol. 23	2.50
50	Mahak Gambhir, and Vishal Gupta	Recent automatic text summarization techniques: a survey	Artificial Intelligence Review	2017	pp. 1-66	Vol. 47 Issue 1	5.19
51	Raman Preet Singh, Savita Gupta, and U. Rajendra Acharya	Segmentation of prostate contours for automated diagnosis using ultrasound images: A survey	Journal of computational science	2017	pp. 223-231	Vol. 21	2.50
52	Gurdit Singh, Divya Bansal, Sanjeev Sofat, and Naveen Aggarwal	Smart patrolling: An efficient road surface monitoring using smartphone sensors and crowdsourcing	Pervasive and Mobile Computing	2017	pp. 71-88.	Vol. 40	2.91
53	Manisha Kaushal, Baljit Singh, and Akashdeep	Water cycle algorithm based multi-objective contrast enhancement approach	Optik - International Journal for Light and Electron Optics	2017	pp. 762-775	Vol. 140	1.19
54	Mamta Juneja, Niharika Thakur, Dinesh Kumar, Ankur Gupta, Babandeep Bajwa, Prashant Jindal	Accuracy in dental surgical guide fabrication using different 3D printing techniques	Additive manufacturing	2017	pp. 243-255	Vol. 22	7.17
55	Harish Kumar, R.K. Singla, and Siddharth Malhotra	Issues & Trends in AutoConfiguration of IP Address in MANET	International Journal of Computers, Communications & Control	2018	pp. 353-357	Vol. 3	1.58
56	Ravinder Kaur, Mamta Juneja, and A. K. Mandal	A comprehensive review of denoising techniques for abdominal CT images	Multimedia Tools and Applications	2018	pp. 22735-22770.	Vol. 77 Issue 17	2.10
57	Mukesh Dalal and Mamta Juneja	A robust and imperceptible steganography technique for SD	Multimedia Tools and Applications	2018	pp. 5769-5789	Vol. 78 Issue 5	2.10

		and HD videos					
58	Fahd Saleh Alotaibi, Vishal Gupta	A cognitive inspired unsupervised language-independent text stemmer for Information retrieval	Cognitive Systems Research	2018	pp. 291-300	Vol. 52	1.38
59	Ravinder Kaur, Mamta Juneja, and A. K. Mandal	A comprehensive review of denoising techniques for abdominal CT images.	Multimedia Tools and Applications	2018	pp. 22735-22770	Vol. 77 Issue 17	2.10
60	Puneet Jai Kaur, Sakshi Kaushal, Arun Kumar Sangaiah, and Francesco Piccialli	A framework for assessing reusability using package cohesion measure in aspect oriented systems	International Journal of Parallel Programming	2018	pp. 543-564	Vol. 46 Issue 3	1.25
61	Puneet Jai Kaur, and Sakshi Kaushal	A Fuzzy Approach for Estimating Quality of Aspect Oriented Systems	International Journal of Parallel Programming	2018	pp. 1-20	Vol. 46	1.25
62	Ravinder Kaur, Mamta Juneja, and A. K. Mandal	A hybrid edge-based technique for segmentation of renal lesions in CT images.	Multimedia Tools and Applications	2018	pp. 1 -21	Vol. 77	2.10
63	Gaurav Garg, and Mamta Juneja	A survey of denoising techniques for multi-parametric prostate MRI.	Multimedia Tools and Applications	2018	pp. 1-34	Vol. 77	2.10
64	Saurabh Sharma, Vishal Gupta, and Mamta Juneja	A survey of image data indexing techniques.	Artificial Intelligence Review	2018	pp. 1-78	Vol. 50	5.19
65	Ravinder Kaur, and Mamta Juneja	A survey of kidney segmentation techniques in CT images.	Current Medical Imaging Reviews	2018	pp. 238-250	Vol. 14 Issue 2	0.53
66	Gaurav Garg, and Mamta Juneja	A survey of prostate segmentation techniques in different imaging modalities.	Current Medical Imaging Reviews	2018	pp. 19-46	Vol. 4	0.53
67	Rahul hooda, Ajay Mittal, and Sanjeev Sofat	An Efficient Variant of Fully-ConVol.utional Network for Segmenting Lung Fields from Chest Radiographs	Wireless Personal Communications	2018	pp. 1559-1579	Vol. 101 Issue 3	0.95
68	Taranjit Kaur, Barjinder Singh Saini, and Savita Gupta	An optimal spectroscopic feature fusion strategy for MR	Biocybernetics and Biomedical Engineering	2018	pp. 409-424	Vol. 38 Issue 2	2.15

		brain tumor classification using Fisher Criteria and Parameter-Free BAT optimization algorithm					
69	Ravneet Kaur, Sarbjeet Singh, and Harish Kumar	AuthCom: Authorship verification and compromised account detection in online social networks using AHP-TOPSIS embedded profiling-based technique	Expert System with Applications	2018	pp. 397-414	Vol. 113	4.57
70	Madan Lal, Lakhwinder Kaur, and Savita Gupta	Automatic segmentation of tumors in B-Mode breast ultrasound images using information gain based neutrosophic clustering	Journal of X-ray science and technology	2018	pp. 209-225	Vol. 26 Issue 2	1.66
71	Deepika Koundal, Savita Gupta, and Sukhwinder Singh	Computer aided thyroid nodule detection system using medical ultrasound images	Biomedical Signal Processing and Control	2018	pp. 117-130	Vol. 40	3.32
72	Ravi Bhandari, Bhaskaran Raman, K. K. Ramakrishnan, Deepthi Chander, Naveen Aggarwal, Divya Bansal, Mahima Choudhary, Nisha Moond, Aneesh Bansal, and Megha Chaudhary	CrowdLoc: Cellular Fingerprinting for Crowds by Crowds	ACM Transactions on Sensor Networks (TOSN)	2018	pp.4	Vol. 14, Issue 1	3.40
73	Garima Joshi, Renu Vig, and Sukhwinder Singh	DCA-based unimodal feature-level fusion of orthogonal moments for Indian sign language dataset	IET Computer Vision	2018	pp. 570-577.	Vol. 12 Issue 5	1.61
74	Raman Kumar Goyal, and Sakshi Kaushal	Deriving crisp and consistent priorities for fuzzy AHP-based multicriteria systems using non-linear constrained optimization	Fuzzy Optimization and Decision Making	2018	pp. 1-15	Vol. 17	4.11
75	Raj Kumari, Sakshi Kaushal, and Naveen Chilamkurti	Energy conscious multi-site computation offloading for mobile cloud computing	Soft Computing	2018	pp. 6751-6764	Vol. 22 Issue 20	2.60
76	Sahil Kansal, Harish Kumar, Sakshi Kaushal, and Arun Kumar Sangaiah	Genetic algorithm-based cost minimization pricing model for on-demand IaaS	The Journal of Super Computing	2018	pp. 1-26	Vol. 74	1.94

		cloud service					
77	Muskan Garg and Mukesh Kumar	Identifying Influential Segments from Word Co-occurrence Networks using AHP	Cognitive Systems Research	2018	pp. 28-41	Vol. 47	1.38
78	Lovejit Singh, Sarbjeet Singh, and Naveen Aggarwal	Improved TOPSIS method for peak frame selection in audio-video human emotion recognition	Multimedia Tools and Applications	2018	pp. 1-32	Vol. 78 Issue 5	1.87
79	Rohit Handa, C. Rama Krishna, and Naveen Aggarwal	Keyword Binning-Based Efficient Search on Encrypted Cloud Data	Arabian Journal for Science and Engineering	2018	pp. 1-26	Vol. 44 Issue 4	1.25
80	Madan Lal, Lakhwinder Kaur, and Savita Gupta	Modified spatial neutrosophic clustering technique for boundary extraction of tumours in B-mode BUS images	IET Image Processing	2018	pp. 1338-1344	Vol. 12 Issue 8	2.61
81	Akshpreet Kaur, Aarush Gupta, Hardik Aggarwal, Kartikeya Arora, Nitika Garg, Manu Sharma, Sukesh Sharma, Naveen Aggarwal, Gaurav Sapra, and J. K. Goswamy	Non-destructive Evaluation and Development of a New Wire Rope Tester Using Parallely Magnetized NdFeB Magnet Segments	Journal of Nondestructive Evaluation	2018	pp. 61	Vol. 37 Issue 30	2.27
82	Ravneet Kaur, Sarbjeet Singh, and Harish Kumar	Rise of spam and compromised accounts in online social networks: A state-of-the-art review of different combating approaches	Journal of Network and Computer Applications, Elsevier	2018	pp. 53-88	Vol. 112	4.74
83	Dinesh Viji, and Naveen Aggarwal	Smartphone based traffic state detection using acoustic analysis and crowdsourcing	Applied Acoustics	2018	pp. 80-91	Vol. 138	2.32
84	Niharika Thakur, and Mamta Juneja	Survey on segmentation and classification approaches of optic cup and optic disc for diagnosis of glaucoma	Biomedical Signal Processing and Control	2018	pp. 162-189	Vol. 42	3.32
85	Meghna Chaudhary, Harish Kumar, Sakshi Kaushal, and Arun Kumar Sangaiah	The case analysis on sentiment-based ranking of nodes in social media space	Multimedia Tools and Applications	2018	pp. 4217-4236	Vol. 77	2.10

86	Raman Kumar Goyal, Sakshi Kaushal, and Arun Kumar Sangaiah	The utility based non-linear fuzzy AHP optimization model for network selection in heterogeneous wireless networks	Applied Soft Computing	2018	pp. 800-811	Vol. 67	4.85
87	Muskan Garg and Mukesh Kumar	The Word Co-occurrence Network for Microblogs	Physica A: Statistical Mechanics and its Applications	2018	pp. 698-720.	Vol. 512	2.46
88	Rahul Hooda, Ajay Mittal, and Sanjeev Sofat	Tuberculosis Detection from Chest Radiographs: A Comprehensive Survey on Computer-aided Diagnosis Techniques	Current Medical Imaging Reviews	2018	pp. 506-520.	Vol. 14 Issue 4	0.53
89	Raahat Devender Singh, and Naveen Aggarwal	Video content authentication techniques: a comprehensive survey	Multimedia Systems	2018	pp.211-240	Vol. 24,Issue. 2	2.10
90	Manisha Kaushal, Baljit Singh, and Akashdeep	Soft Computing Based Object Detection And Tracking Approaches: State-of-the-Art survey	Applied Soft Computing	2018	pp 423-464	Vol. 70	4.85
91	Deepkamal Kaur Gill Kartikeya Walia, Aditi Rawat, Divya Bajaj, Vipin Kumar Gupta, Anand Gupta, Mamta Juneja, Rakesh Tuli, and Prashant Jindal	3D modelling and printing of craniofacial implant template	Rapid Prototyping Journal	2019	pp. 397-403	Vol. 25 Issue 2	4.16
92	Mamta Juneja, Shaswat Singh, Naman Agarwal, Shivank Bali, Shubham Gupta, Niharika Thakur, and Prashant Jindal	Automated Detection of Glaucoma using deep learning convolution network (G-Net)	Multimedia Tools and Applications	2019	pp. 1-23	Vol. 209	2.10
93	Kushal Kanwar, Harish Kumar, and Sakshi Kaushal	Complex network based comparative analysis of Delhi Metro network and its extension.	Physica A: Statistical Mechanics and its Applications.	2019	pp. 1-12	Vol. 526	2.46
94	Nirmal Kaur and Raman Bhinder	Energy Aware Clustering Scheduling of Parallel Applications on Heterogeneous Computing Systems	Multiagent and Grid Systems (SCOPUS, WOS)	2019	pp.1-18	Vol. 15	0.56
95	Rahul Hooda, Ajay Mittal, and Sanjeev Sofat	Lung segmentation in chest radiographs using fully convolutional networks.	Turkish Journal of Electrical Engineering & Computer Sciences	2019	pp. 710-722	Vol. 27 Issue 2	0.70

96	Niharika Thakur, and Mamta Juneja	Optic Disc and Optic Cup Segmentation from Retinal Images Using Hybrid Approach	Expert Systems with Applications	2019	pp. 308-322	Vol. 127	4.57
97	Jasmeet Singh and Vishal Gupta	A novel unsupervised corpus-based stemming technique using lexicon and corpus statistics	Knowledge-Based Systems, Elsevier	2019	pp 147-162	Vol. 180	5.35
98	Kushal Kanwar, Sakshi Kaushal, Harish Kumar,	A hybrid node ranking technique for finding influential nodes in complex social networks	Library Hi Tech, Emerald Publishers	2019	online	Vol.38	1.25
99	Tanu Goyal, Sakshi Kaushal,	Handover optimization scheme for LTE-Advanced networks based on AHP-TOPSIS	Computer Communications, Elsevier	2019	Vol. 133	pp. 67-76	3.06
100	Ravinder Kaur, Mamta Juneja and A. K. Mandal	Computer-aided diagnosis of renal lesions in CT images: A comprehensive survey and future prospects	Computers & Electrical Engineering	2019	Vol. 77	pp. 423-434	2.33
101	Anuj Dimri, Harsimran Singh, Naveen Aggarwal, Bhaskaran Raman, K. K. Ramakrishnan, and Divya Bansal	BaroSense: Using Barometer for Road Traffic Congestion Detection and Path Estimation with Crowdsourcing	ACM Transaction on Sensor Networks	2019	Vol. 16 (1)	Pp. 4.1-4.24	3.40
102	Handa, Rohit, C. Rama Krishna, and Naveen Aggarwal	Efficient privacy-preserving scheme supporting disjunctive multi-keyword search with ranking	Concurrency and Computation: Practice and Experience	2019	Vol. 32 (2)		1.11
103	Singh, R., Puri, H., Aggarwal, N. et al	An Efficient Language-Independent Acoustic Emotion Classification System	Springer Arab J Sci Eng	2019	Vol. 45	pp. 3111–3121	1.51
104	Nishant Gupta, Nitish Mahajan, Sakshi Kaushal, Naresh Kumar, Harish Kumar, Arun Kumar Sangaiah	Predictive Model for Hardware Calibration to Transmit Real-time Applications in VoIP Networks	Concurrency and Computation Practice and Experience	2019	Vol. 2	pp. 1-13	1.16
105	Himika Sharma, Rajnish Raj, Mamta Juneja	EEG signal-based classification before and after	Neuroscience letters	2019	Vol. 707	pp. 1-7	2.17

		combined Yoga and Sudarshan Kriya.					
106	Simranjit Kaur,, Sukhwinder Singh, Priti Arun, Damanjeet Kaur, and Manoj Bajaj	Event-Related Potential Analysis of ADHD and Control Adults During a Sustained Attention Task	Clinical EEG and neuroscience	2019	Vol. 50 issue 6	pp. 389-403	1.82
107	Simranjit Kaur, Sukhwinder Singh, Priti Arun and Damanjeet Kaur	Phase Space Reconstruction of EEG Signals for Classification of ADHD and Control Adults	Clinical EEG and neuroscience	2019	Vol. 51 Issue 2	pp. 102-113	1.82
108	Mandeep Kaur and Savita Gupta	A fusion framework based on fuzzy integrals for passive-blind image tamper detection	Cluster Computing	2019	Vol. 22	11363–11378	1.90
109	Taranjit Kaur, Barjinder Singh Saini, and Savita Gupta.	An adaptive fuzzy K-nearest neighbor approach for MR brain tumor image classification using parameter free bat optimization algorithm	Multimedia Tools and Applications	2019	Vol. 78 Issue 15	pp. 21853-21890	2.10
110	Preeti Abrol and Savita Gupta	Social spider foraging-based optimal resource management approach for future cloud	The Journal of Supercomputing	2020	Vol. 76	pp. 1880–1902	2.15
111	Gurpreet Kaur, Dr Sukhwinder Singh and Dr Renu Vig	Medical fusion framework using discrete fractional wavelets and non-subsampled directional filter banks	IET, Image Processing	2020	Vol. 14 Issue 4	pp. 658 – 667	2.61
112	Garima Joshi, Sukhwinder Singh, Renu Vig	Taguchi-TOPSIS based HOG Parameter Selection for Complex Background Sign Language Recognition	Journal of Visual Communication and Image Representation	2020	In press		2.25
113	Ravinder Kaur, Mamta Juneja, A. K. Mandal	An overview of non-invasive imaging modalities for diagnosis of solid and cystic renal lesions	Medical & biological engineering & computing	2020	Vol. 58	pp. 1-24	2.15
114	Rani, Seema, and Mukesh Kumar	Social media video summarization using multi-Visual features and	Information Processing & Management	2020	Vol. 57, Issue 3	Pp. 102190	3.89

		Kohnen's Self Organizing Map					
115	Radhika Malhotra, Jasleen Saini, Barjinder Singh Saini, Savita Gupta	Improving Brain Tumor Segmentation with Data Augmentation Strategies	AIJR Proceedings	2021		7-11	
116	Vipasha Abrol, Sabrina Dhalla, Jasleen Saini, Ajay Mittal, Sukhwinder Singh, Savita Gupta	Automated Segmentation of Leukocytes using Marker-based Watershed Algorithm from Blood Smear Images	AIJR Proceedings	2021		65-71	
117	Nikita Aggarwal, Jasleen Saini, BS Saini, Savita Gupta	Different Classification Approaches for Early Detection of Parkinson's Disease	AIJR Proceedings	2021		84-88	
118	Paramveer Kaur Sran, Savita Gupta, Sukhwinder Singh	Visual Saliency Models Applied to ROI Detection for Brain MR Images: A Critical Appraisal and Future Prospects	SN Computer Science	2021/5	2(3)	1-16	
119	Sukhvinder Singh, Krishan Kumar, Savita Gupta	A Comparative Analysis of Regression Based Indoor Localization Techniques	2021 7th International Conference on Advanced Computing and Communication Systems (ICACCS)	2021	1	1193-1198	
120	Rashmi Vishraj, Savita Gupta, Sukhwinder Singh, Rashmi Sharma	Detection of early emphysema regions in HRCT images using Fuzzy-C Mean	2021 International Conference on Computing, Communication, and Intelligent Systems (ICCCIS)	2021		448-453	
121	Mohit Nagpal, Manisha Kaushal & Akashdeep Sharma	A Feature Reduced Intrusion Detection System with Optimized SVM Using Big Bang Big Crunch Optimization	Wireless Pers Commun	2021			
122	Deeksha Gupta, Akashdeep Sharma, Pavit Kaur, Ritika Gupta	Static Video Summarization: A Comparative Study of Clustering-Based Techniques	Applications of Artificial Intelligence and Machine Learning	2021	Lecture Notes in Electrical Engineering 347-364	778	
123	Deeksha Gupta, Akashdeep Sharma	Attentive Convolution Network-Based Video	Applications of Artificial Intelligence and Machine Learning	2021	Lecture Notes in Electrical Engineering	778	

		Summarization			333–346		
124	Akashdeep Sharma, Harish Kumar, Kapish Mittal, Sakshi Kauhsal, Manisha Kaushal, Divyam Gupta, Abheer Narula	IoT and deep learning-inspired multi-model framework for monitoring Active Fire Locations in Agricultural Activities	Computers & Electrical Engineering	2021	Article 107216	93	
125	Akhil Kumar, Arvind Kalia, Kinshuk Verma, Akashdeep Sharma, Manisha Kausha	Scaling up face masks detection with YOLO on a novel dataset	Optik	2021	Article – 166744	239	
126	Manpreet Kaur, Vishal Gupta, Ravreet Kaur	Review of Recent Plagiarism Detection Techniques and Their Performance Comparison	Proceedings of International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications	2021	157-170	Advances in Intelligent Systems and Computing vol 1245	
127	Shrutika Chawla, Preeti Aggarwal, Ravreet Kaur	Comparative Analysis of Semantic Similarity Word Embedding Techniques for Paraphrase Detection	EasyChair	2021			
128	Junaid Maqbool, Preeti Aggarwal, Ravreet Kaur	Incorporating Financial News Sentiments and MLP-Regressor with Feed-Forward for Stock Market Prediction	EasyChair	2021			
129	Prabhjot Kaur, Jagdish Chandra Joshi, Preeti Aggarwal	A multi-model decision support system (MM-DSS) for avalanche hazard prediction over North-West Himalaya	Natural Hazards (2021)	2021	1-23		
130	Mamta Garg, Ajatshatru Arora, Savita Gupta	<u>An Efficient Human Identification Through Iris Recognition System</u>	Journal of Signal Processing Systems	2021	1-8		
131	Sabrina Dhalla, Ajay Mittal, Savita Gupta, Harleen Singh	<u>Multi-model Ensemble to Classify Acute Lymphoblastic Leukemia in Blood Smear Images</u>	International Conference on Pattern Recognition	2021	243-253		
132	Paramveer Kaur Sran, Savita Gupta, Sukhwinder Singh	<u>Integrating saliency with fuzzy thresholding for brain tumor extraction in MR images</u>	Journal of Visual Communication and Image Representation	2021		74	
133	Parneet Kaur, Harish Kumar, Sakshi Kaushal	<u>Affective state and learning environment based analysis of students' performance in online assessment</u>	International Journal of Cognitive Computing in Engineering	2021	12-20	2	

134	Nishant Gupta,Nitish Mahajan,Sakshi Kaushal,Naresh Kumar,Harish Kumar,Arun Kumar Sangaiah	<u>Predictive model for hardware calibration to transmit real-time applications in VoIP networks</u>	WILEY	2021	1-13	33	
135	SimratKaur,SarbjeeetSingh,SakshiKaushal	<u>Abusive Content Detection in Online User-Generated Data: A survey</u>	Procedia Computer Science	2021	274-281	189	
136	Khushboo Singla,Rudra Arora,Sakshi Kaushal	<u>An approach towards IoT-based healthcare management system</u>	<u>Proceedings of the Sixth International Conference on Mathematics and Computing</u>	2021	345-356		
137	Sukhveer Kaur, Krishan Kumar, Naveen Aggarwal, Gurdeep Singh	<u>A Comprehensive Survey of DDoS Defense Solutions in SDN: Taxonomy, Research Challenges, and Future Directions</u>		2021			
138	Sudhakar Kumar, Sunil Kr Singh, Naveen Aggarwal, Kriti Aggarwal	<u>Evaluation of automatic parallelization algorithms to minimize speculative parallelism overheads: An experiment</u>	Journal of Discrete Mathematical Sciences and Cryptography	2021	1517-1528	24	
139	Rigzin Angmo, Naveen Aggarwal, Veenu Mangat, Anurag Lal, Simarpreet Kaur	<u>An Improved Clustering Approach for Identifying Significant Locations from Spatio-temporal Data</u>	Wireless Personal Communications	2021	1-25		
140	Poonam Singh, Maitreyee Dutta, Naveen Aggarwal	<u>Hybrid Meta-heuristic Approach for Workflow Scheduling in IaaS Cloud</u>	Arabian Journal for Science and Engineering	2021	1-13		
141	Nitika Mor, Neera Raghav	<u>CHEMISTRY & BIOLOGY INTERFACE</u>		2021	94-108	11	
142	Sukhveer Kaur, Krishan Kumar, Naveen Aggarwal	<u>A review on P4-Programmable data planes: Architecture, research efforts, and future directions</u>		2021	109-129	170	
143	Dinesh Vij, Naveen Aggarwal	<u>Transportation mode detection using cumulative acoustic sensing and analysis</u>	Frontiers of Computer Science	2021	1-3	15	
144	Raahat Devender Singh, Naveen Aggarwal	<u>Optical flow and pattern noise-based copy-paste detection in digital videos</u>	Multimedia System	2021	1-21		
145	Poonam Singh, Maitreyee Dutta, Naveen Aggarwal	<u>Budget-Oriented Reliable WDO Algorithm for Workflow Scheduling in Cloud Systems</u>	Communication and Intelligent Systems	2021	759-772		

146	Sukhveer Kaur, Krishan Kumar, Naveen Aggarwal	<u>A Review of Security Threats in Software-Defined Networking</u>		2021	123-131		
147	Sukhveer Kaur, Krishan Kumar, Naveen Aggarwal	<u>DDoS Defense Mechanisms for SDN Control Plane</u>	Computer Networks and Inventive Communication Technologies	2021	1045-1058		
148	Kshitij Saluja, Naveen Aggarwal	<u>Real-Time Detection of Inter-Frame Video Forgeries in Surveillance Videos</u>	Progress in Advanced Computing and Intelligent Engineering	2021	497-505		
149	Rigzin Angmo, Veenu Mangat, Naveen Aggarwal	<u>A Study of Efficient Methods for Selecting Quasi-identifier for Privacy-Preserving Data Mining</u>	Computational Methods and Data Engineering	2021	319-327		
150	Vipasha Abrol, Sabrina Dhalla, Jasleen Saini, Ajay Mittal, Sukhwinder Singh, Savita Gupta	<u>Automated Segmentation of Leukocytes using Marker-based Watershed Algorithm from Blood Smear Images</u>	AIJR Proceedings	2021	65-71		
151	Monika Bansal, Munish Kumar, Monika Sachdeva, Ajay Mittal	<u>Transfer learning for image classification using VGG19: Caltech-101 image data set</u>	Journal of Ambient Intelligence and Humanized Computing	2021	1-12		
152	Navdeep Kaur, Ajay Mittal, Gurpreem Singh	<u>Methods for automatic generation of radiological reports of chest radiographs: a comprehensive survey</u>		2021	1-31		
153	Ajay Mittal, Ravi Nerula, Manveen Kaur Jawandac, Sunaina Singla, Monika Narula	<u>Piezosurgery Vs Rotary Instruments: A Prospective Study with Clinical & Histological Comparison in Bilateral Mandibular Third Molar Removal Surgery</u>	UNIVERSITY JOURNAL MAXILLOFACIAL SURGERY AND ORAL SCIENCES	2021	31-31	1	
154	Vamsi Krishna Kudapa, Ajay Mittal, Ishita Agrawal, Tejendra K Gupta, Rajeev Gupta	<u>Role of Graphene and Graphene Derived Materials to Fight with COVID-19</u>	Biotechnology to Combat COVID-19	2021			
155	Sunaina Singla, Ravi Narula, Parnika Kuthiala, Ajay Mittal, Hirdepal Singh Brar, Mukesh Singla	<u>Management of Mandibular Angle Fractures Using Single Y-Shaped Titanium Miniplate at the Superior Border: A Prospective Clinical Study</u>	Indian Journal of Otolaryngology and Head & Neck Surgery	2021	1-5		
156	Sabrina Dhalla, Ajay Mittal, Savita Gupta, Harleen Singh	<u>Multi-model Ensemble to Classify Acute Lymphoblastic Leukemia in Blood Smear Images</u>	International Conference on Pattern Recognition	2021	243-253		

157	Seema Rani, Mukesh Kumar	<u>Topic modeling and its applications in materials science and engineering</u>	Materials Today: Proceedings	2021	5591-5596	45	
158	Saurabh Sharma, Vishal Gupta	<u>Rio Olympics 2016 on Twitter: A Descriptive Analysis</u>	Computational Methods and Data Engineering	2021	151-162		
159	Manpreet Kaur, Vishal Gupta, Ravreet Kaur	<u>Review of Recent Plagiarism Detection Techniques and Their Performance Comparison</u>	Proceedings of International Conference on Recent Trends in Machine Learning, IoT, Smart Cities and Applications	2021	157-170		
160	Saurabh Sharma, Vishal Gupta, Mamta Juneja	<u>Diverse feature set based Keyphrase extraction and indexing techniques</u>	Multimedia Tools and Applications	2021	4111-4142	80	
161	Mamta Juneja, Sumindar Kaur Saini, Sambhav Kaul, Rajarshi Acharjee, Niharika Thakur, Prashant Jindal	<u>Denoising of magnetic resonance imaging using Bayes shrinkage based fused wavelet transform and autoencoder based deep learning approach</u>	Biomedical Signal Processing and Control	2021		69	
162	Mamta Juneja, Sumindar Kaur Saini, Jatin Gupta, Poojita Garg, Niharika Thakur, Aviral Sharma, Manan Mehta, Prashant Jindal	<u>Survey of denoising, segmentation and classification of magnetic resonance imaging for prostate cancer</u>	Multimedia Tools and Applications	2021	1-51		
163	Gaurav Garg, Mamta Juneja	<u>Particle swarm optimization based segmentation of Cancer in multi-parametric prostate MRI</u>	Multimedia Tools and Applications	2021	1-24		
164	Mamta Juneja, Poojita Garg, Ravinder Kaur, Palak Manocha, Shivam Batra, Pradeep Singh, Shaswat Singh, Prashant Jindal	<u>A review on cephalometric landmark detection techniques</u>		2021	102486 (1-14)	66	
165	Mukesh Dalal, Mamta Juneja	<u>A secure and robust video steganography scheme for covert communication in H.264/AVC</u>	Multimedia Tools and Applications	2021	14383-14407	80	
166	Saurabh Sharma, Vishal Gupta, Mamta Juneja	<u>Sparse Code based Indexing for Image Retrieval</u>	2021 International Conference on Artificial Intelligence and Smart Systems (ICAIS)	2021	1088-1094		
167	Mukesh Dalal, Mamta Juneja	<u>A secure video steganography scheme using DWT based on object tracking</u>	Information Security Journal: A Global Perspective	2021	1-18		
168	Mukesh Dalal, Mamta Juneja	<u>A survey on information hiding</u>	Artificial Intelligence Review	2021	1-65		

		<u>using video steganography</u>					
169	Ravinder Kaur, Mamta Juneja, Arup Kumar Mandal	<u>Machine learning based quantitative texture analysis of CT images for diagnosis of renal lesions</u>	Biomedical Signal Processing and Control	2021	102311 (1-10)	64	
170	Mukesh Dalal, Mamta Juneja	<u>Steganography and Steganalysis (in digital forensics): a Cybersecurity guide</u>	Multimedia Tools and Applications	2021	5723-5771	80	
171	Niharika Thakur, Mamta Juneja	<u>Early-stage prediction of glaucoma disease to reduce surgical requirements using deep-learning</u>	Materials Today: Proceedings	2021	5660-5664	45	
172	Piyush Kumar Mallia, Mamta Juneja	<u>Rapid prototyping of orthopedic implant materials for cranio-facial reconstruction: A Survey</u>	Materials Today: Proceedings	2021	5207-5213	45	
173	Saurabh Sharma, Vishal Gupta, Mamta Juneja	<u>Diverse feature set based Keyphrase extraction and indexing techniques</u>	Materials Today: Proceedings	2021	4111-4142	80	
174	Niharika Thakur, Mamta Juneja	<u>Pre-processing of Retinal Images for Removal of Outliers</u>	Wireless Personal Communications	2021	739-765	116	