

## Publications - Academic Year 2020-2021

S.No.	Title of the paper	Author	Name of the Journal / Conference	Volume No, Issue No, Page No, Month & Year	Indexing Scopus/ SCI/ SCIE/ WoS etc.,	Online Link
1.	Secure access of resources in software-defined networks using dynamic access control list	Seethalakshmi V	International Journal of Communication systems	Vol. 34, Issue 1, 2020	SCI indexed Journals	<a href="https://doi.org/10.1002/dac.4607">https://doi.org/10.1002/dac.4607</a>
2.	Improved network monitoring using software-defined networking for DDoS detection and mitigation evaluation	Seethalakshmi V	Wireless Personal Communications	Vol. 116, No.3, Page. 2743-2757, 2021	SCI indexed Journals	<a href="https://doi.org/10.1007/s11277-020-08042-2">https://doi.org/10.1007/s11277-020-08042-2</a>
3.	An enhanced data security and task flow scheduling in cloud-enabled Wireless Body Area Network	Ramesh S M	Wireless Personal Communications	Vol. 120, No.1, Page. 849-867, 2021	SCI indexed Journals	<a href="https://doi.org/10.1007/s11277-021-08493-1">https://doi.org/10.1007/s11277-021-08493-1</a>
4.	Multifactorial disease detection using regressive multi-array deep neural classifier	Venugopal D	Intelligent Automation & Soft Computing	Vol. 28, No.1, Page. 27-38, 2021	SCI indexed Journals	<a href="https://doi.org/10.32604/iasc.2021.015205">https://doi.org/10.32604/iasc.2021.015205</a>
5.	A novel deep neural network for intracranial	Venugopal D	Computers, Materials &	Vol. 68, No.3, Page.	SCI indexed Journals	<a href="https://doi.org/10.32604/cm.c.2021.015480">https://doi.org/10.32604/cm.c.2021.015480</a>



	haemorrhage detection and classification		Continua	2877-2893, 2021		
6.	Substrate integrated waveguide cavity backed antenna for IOT applications	Cowsigan S P	Journal of Ambient Intelligence and Humanized Computing	2021	SCI indexed Journals	<a href="https://doi.org/10.1007/s12652-020-02742-0">https://doi.org/10.1007/s12652-020-02742-0</a>
7.	Design and implementation of Crypt Analysis of Cloud Data Intrusion Management System	Ramesh S M	The International Arab Journal of Information Technology	Vol. 17, No.6, Page. 895–905, 2020	SCI indexed Journals	<a href="https://doi.org/10.34028/iajit/17/6/8">https://doi.org/10.34028/iajit/17/6/8</a>
8.	Numerical investigation of traps and optical response in III-V nitride quantum LED	Manikandan M	Optical and Quantum Electronics	Vol. 52, Article Number. 513, 2020	SCI indexed Journals	<a href="https://doi.org/10.1007/s11082-020-02633-w">https://doi.org/10.1007/s11082-020-02633-w</a>
9.	MRI image segmentation using bat optimization algorithm with Fuzzy C means (Boa-FCM) clustering	Jaishankar B	Journal of Medical Imaging and Health Informatics	Vol. 11, No.3, Page. 661–666, 2021	SCI indexed Journals	<a href="https://doi.org/10.1166/jmih.i.2021.3365">https://doi.org/10.1166/jmih.i.2021.3365</a>
10.	Recovery of pure silicon and other materials from disposed solar cells	Tamilselvan K S	International Journal of Photoenergy	Vol. 2021, Page. 1–4, 2021	SCI indexed Journals	<a href="https://doi.org/10.1155/2021/5530213">https://doi.org/10.1155/2021/5530213</a>



11.	Hybrid reference current generation theory for solar fed UPFC system	Tamilselvan K S	Energies	Vol. 14, Issue.6, 152, 2021	SCI indexed Journals	<a href="https://doi.org/10.3390/en14061527">https://doi.org/10.3390/en14061527</a>
12.	Experimental investigation on cooling the photovoltaic panel using hybrid nanofluids	Sumithra M G	Applied Nanoscience	Vol. 11, Page. 363–374, 2021	SCI indexed Journals	<a href="https://doi.org/10.1007/s13204-020-01598-2">https://doi.org/10.1007/s13204-020-01598-2</a>
13.	Ultra-high capacity long-haul PDM-16-qam-based WDM-FSO transmission system using coherent detection and digital signal processing. Optical and Quantum Electronics	Sumithra M G	Optical and Quantum Electronics	Vol. 52, Article Number: 500, 2020	SCI indexed Journals	<a href="https://doi.org/10.1007/s11082-020-02616-x">https://doi.org/10.1007/s11082-020-02616-x</a>
14.	Humic acid involved chelation of Zno nanoparticles for enhancing mineral nutrition in plants.	Sumithra M G	Solid State Communications	Vol. 333, 114355, 2021	SCI indexed Journals	<a href="https://doi.org/10.1016/j.ssc.2021.114355">https://doi.org/10.1016/j.ssc.2021.114355</a>
15.	Natural citric acid (lemon juice) assisted synthesis of zno nanostructures: Evaluation of phase composition, morphology, optical and thermal properties	Sumithra M G	Ceramics International	Vol. 47, Issue. 16, Page. 23110-23115, 2021	SCI indexed Journals	<a href="https://doi.org/10.1016/j.ceramint.2021.05.024">https://doi.org/10.1016/j.ceramint.2021.05.024</a>

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16.	Short-Term Power Prediction of Building Integrated Photovoltaic (BIPV) System Based on Machine Learning Algorithms	Chandran V	International Journal of Photoenergy	Volume 2021, Article ID 5582418, 2021	SCI indexed Journals	<a href="https://www.hindawi.com/journals/ijp/2021/5582418/">https://www.hindawi.com/journals/ijp/2021/5582418/</a>
17.	Secure data communication IoT and wireless sensor network for COVID-19	Sumithra M G	International Journal of Sensor Networks	Vol. 36, no. 1, pp.11-24, 2021	SCI indexed Journals	<a href="https://www.inderscienceonline.com/doi/abs/10.1504/IJSN.ET.2021.115444">https://www.inderscienceonline.com/doi/abs/10.1504/IJSN.ET.2021.115444</a>
18.	Diagnosis of Cervical Cancer based on Ensemble Deep Learning Network using Colposcopy Images	Chandran V	BioMed Research International	Volume 2021, Article ID 5584004, 2021	SCI indexed Journals	<a href="https://www.hindawi.com/journals/bmri/2021/5584004/">https://www.hindawi.com/journals/bmri/2021/5584004/</a>
19.	State of Charge Estimation of Lithium-Ion Battery for Electric Vehicles Using Machine Learning Algorithms	Chandran V	World Electric Vehicle Journal	Vol 12, Issue 1, 2021	SCI indexed Journals	<a href="https://www.mdpi.com/2032-6653/12/1/38">https://www.mdpi.com/2032-6653/12/1/38</a>
20.	Multi-Ported Memory on FPGA For A High Performance FIR Filters	Supriya M	International Journal of Advanced Science and Technology	Vol. 29, No.7, Page. 1464–1472, 2020	Scopus / Referred / UGC / WoS / Journals	<a href="http://serisc.org/journals/index.php/IJAST/article/view/10801">http://serisc.org/journals/index.php/IJAST/article/view/10801</a>

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21.	A Perspective approaches of Clustering in Wireless Sensor Networks Survey	Venkatesh T	International Journal of Advanced Science and Technology	Vol. 29, No.7, Page. 1457–1463, 2020	Scopus / Referred / UGC / WoS / Journals	<a href="http://serisc.org/journals/index.php/IJAST/article/view/10800">http://serisc.org/journals/index.php/IJAST/article/view/10800</a>
22.	Parametric Optimization of Architectural Modified FIR Filter	Shanmugaraja T	International Journal of Advanced Science and Technology	Vol. 29, No.7, Page. 1481–1487, 2020	Scopus / Referred / UGC / WoS / Journals	<a href="http://serisc.org/journals/index.php/IJAST/article/view/10803">http://serisc.org/journals/index.php/IJAST/article/view/10803</a>
23.	Design of High Performance and Functional Verification of DSP Board Using VLSI Architecture	Muralidharan J	Journal of Critical Reviews	Vol. 7, Issue. 4, Page. 1761–1764, 2020	Scopus / Referred / UGC / WoS / Journals	<a href="https://www.jcreview.com/admin/Uploads/Files/61b3afe4db2222.87019008.pdf">https://www.jcreview.com/admin/Uploads/Files/61b3afe4db2222.87019008.pdf</a>
24.	Tree Based Routing Algorithm for Zigbee Wireless Networks	Kirubakaran S	Journal of Critical Reviews	Vol. 7, Issue. 7, Page. 1961–1967, 2020	Scopus / Referred / UGC / WoS / Journals	<a href="https://www.jcreview.com/paper.php?slug=tree-based-routing-algorithm-for-zigbee-wireless-networks">https://www.jcreview.com/paper.php?slug=tree-based-routing-algorithm-for-zigbee-wireless-networks</a>
25.	Hand Gesture Control Robot for Fire Detection and Prevention	Satheesh Kumar S	International Journal of Future Generation Comm and Networking	Vol. 13, No. 4, Page. 340–343, 2020	Scopus / Referred / UGC / WoS / Journals	<a href="http://serisc.org/journals/index.php/IJFGCN/article/view/31580">http://serisc.org/journals/index.php/IJFGCN/article/view/31580</a>
26.	Design and Analysis of	Jagadesh T	International	Vol. 3, No.	Scopus /	<a href="http://serisc.org/journals/index.php/IJAST/article/view/10800">http://serisc.org/journals/index.php/IJAST/article/view/10800</a>

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	Power Efficient 3-Tap FIR Digital Filter Using Folding Architecture		Journal of Future Generation Communication and Networking	4, Page. 1436-1442, 2020	Referred / UGC / WoS / Journals	x.php/IJFGCN/article/view/32826
27.	LSTM Model Based Wind Speed Forecasting	Chandraprabha S	International Journal of Future Generation Communication and Networking	Vol. 13, No.4, Page. 1726-1731, 2020	Scopus / Referred / UGC / WoS / Journals	<a href="http://sersc.org/journals/index.php/IJFGCN/article/view/33077">http://sersc.org/journals/index.php/IJFGCN/article/view/33077</a>
28.	Body Measurement System Using Kinect Sensor	Chandraprasad V	Journal of Advanced Research in Dynamical and Control Systems	Vol. 12, Issue. 7, Page 254–259, 2020	Scopus / Referred / UGC / WoS / Journals	<a href="https://www.jardcs.org/abstract.php?id=5494">https://www.jardcs.org/abstract.php?id=5494</a>
29.	Small scale unmanned crop deputation Internet-of-Things based systematical approach	Dhivyasri G	International Journal of Electrical Engineering and Technology (IJEET)	Vol. 12, Issue. 1, Page. 141–150, 2021	Scopus / Referred / UGC / WoS / Journals	<a href="https://iaeme.com/MasterAdmin/Journal_uploads/IJEET/VOLUME_12_ISSUE_2/IJEET_12_02_014.pdf">https://iaeme.com/MasterAdmin/Journal_uploads/IJEET/VOLUME_12_ISSUE_2/IJEET_12_02_014.pdf</a>
30.	Segmentation of Glaucoma Disease Based on Modified Kernel Fuzzy C-Means Algorithm for Healthcare Applications	Muralidharan J	Turkish Journal of Physiotherapy and Rehabilitation	Vol. 32, No. 3, Page. 985–995, 2021.	Scopus / Referred / UGC / WoS / Journals	<a href="http://www.ssruplan.ssrui.ac.th/ssruplan2010/dept/strategy/content_document/Ref_71970-4116-1646028961.pdf">http://www.ssruplan.ssrui.ac.th/ssruplan2010/dept/strategy/content_document/Ref_71970-4116-1646028961.pdf</a>

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31.	Automatic Neuro Disease Classification Based on Gait Analysis using Bi-stacked GRU	Ramesh S M	Turkish Journal of Computer and Mathematics Education	Vol. 12, No. 10, Page. 1551–1555, 2021	Scopus / Referred / UGC / WoS / Journals	<a href="https://turcomat.org/index.php/turkbilmater/article/view/4559">https://turcomat.org/index.php/turkbilmater/article/view/4559</a>
32.	COVID-19 prediction and symptom analysis using wearable sensors and IoT.	Kirubakaran S	International Journal of Pervasive Computing and Communications, Emerald Publishing Limited	Vol. 18, No. 5, Page. 499-507, 2020	Scopus / Referred / UGC / WoS / Journals	<a href="https://doi.org/10.1108/IJPC-C-09-2020-0146">https://doi.org/10.1108/IJPC-C-09-2020-0146</a>
33.	Design of high performance binary circuits for low power applications	Kathirvelu M	Bioscience Biotechnology Research Communications	Vol. 13, No.6, Page. 131–135, 2020	Scopus / Referred / UGC / WoS / Journals	<a href="https://bbrc.in/bbrc/wp-content/uploads/2020/08/Special-Issue-Volume-13-No-6-2020.pdf">https://bbrc.in/bbrc/wp-content/uploads/2020/08/Special-Issue-Volume-13-No-6-2020.pdf</a>
34.	HUB floating point adder using double path	Ramesh S M	International Journal of Scientific Research in Science and Technology	Vol. 9, Issue. 1, Page. 708-717, 2021	Scopus / Referred / UGC / WoS / Journals	<a href="https://ijsrst.com/IJSRST219197">https://ijsrst.com/IJSRST219197</a>
35.	Simulation analysis of UV –A band LEDs with BGaN single quantum well using SiC substrate for medical	M. Manikandan	3rd International Conference on Signal Processing and Communication	pp. 312-314, 2021	Scopus / Referred / UGC / WoS / Journals	<a href="https://ieeexplore.ieee.org/document/9451764">https://ieeexplore.ieee.org/document/9451764</a>

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	applications		(ICPSC), Coimbatore, India			
36.	Luminous power improvement in InGaN V-Shaped Quantum Well LED using CSG on SiC Substrate	Manikandan M	IOP Conference Series: Materials Science and Engineering	Vol. 906, No.1, 2020	Scopus Indexed conferences	<a href="https://iopscience.iop.org/article/10.1088/1757-899X/906/1/012011">https://iopscience.iop.org/article/10.1088/1757-899X/906/1/012011</a>
37.	Analysis of connected word recognition systems using Leven berg Markquardtalgorithm for cockpit control in unmanned aircrafts	Satheesh Kumar S	Materials today Proceedings, Elsevier	Vol. 37, Part 2, Page. 1813-1819, 2021	Scopus Indexed conferences	<a href="https://doi.org/10.1016/j.matpr.2020.07.399">https://doi.org/10.1016/j.matpr.2020.07.399</a>
38.	High performance area measurement system for leather industries	Tamilselvan K S	Materials Today: Proceedings, Elsevier	Vol. 37, Part 2, Page. 2822-2828, 2021	Scopus Indexed conferences	<a href="https://doi.org/10.1016/j.matpr.2020.08.656">https://doi.org/10.1016/j.matpr.2020.08.656</a>
39.	Smart Solar Panel using Light Dependent Resistors	Satheesh Kumar S	IOP Conf. Series: Materials Science and Engineering	Vol. 994, 2020	Scopus Indexed conferences	<a href="https://doi.org/10.1088/1757-899X/994/1/012016">https://doi.org/10.1088/1757-899X/994/1/012016</a>
40.	Investigation on the musical features of carnatic ragas using neutrosophic logic	Finney Daniel Shadrach S	Journal of Physics: Conference Series	Vol. 1706, 2021	Scopus Indexed conferences	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1706/1/012051">https://iopscience.iop.org/article/10.1088/1742-6596/1706/1/012051</a>
41.	Prediction of human	Finney Daniel	Materials Today:	Vol. 46,	Scopus	<a href="https://doi.org/10.1016/j.matpr.2020.08.656">https://doi.org/10.1016/j.matpr.2020.08.656</a>



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	diseases using optimized clustering techniques	Shadrach S	Proceedings, Elsevier	Part 9, Page. 4258-4264 2021	Indexed conferences	pr.2021.03.068
42.	Review on Sensor based Colour Sorting Robot for Candy Manufacturing	Reethika A	IOP Conf. Series: Materials Science and Engineering	Vol. 1084, 2021	Scopus Indexed conferences	<a href="https://doi.org/10.1088/1757-899X/1084/1/012094">https://doi.org/10.1088/1757-899X/1084/1/012094</a>
43.	Investigation on Watermarking Algorithm for Secure Transaction of Electronic Patient Record by Hybrid Transform	Pradeep Kumar G	International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC), IEEE Xplore	Page. 379-383, 2020	Scopus Indexed conferences	<a href="https://doi.org/10.1109/I-SMAC49090.2020.9243411">https://doi.org/10.1109/I-SMAC49090.2020.9243411</a>
44.	Deep Learning approach for Minimizing Disease Spread using Face Identification and Contact	Satheesh Kumar S	International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)	Page. 527-532, 2020	Scopus Indexed conferences	<a href="https://doi.org/10.1109/I-SMAC49090.2020.9243325">https://doi.org/10.1109/I-SMAC49090.2020.9243325</a>
45.	Design of deep convolutional neural network for efficient classification of malaria parasite	Chandran V	EAI/Springer Innovations in Communication and Computing	Page. 169-175, 2020	Scopus Indexed conferences	<a href="https://doi.org/10.1007/978-3-030-47560-4_13">https://doi.org/10.1007/978-3-030-47560-4_13</a>

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46.	Wind Power Forecasting based on Time Series model using Deep Machine Learning Algorithms	Chandran V	Materials Today: Proceedings	Vol. 47, Part 1, Page 115–126, 2021	Scopus Indexed conferences	<a href="https://doi.org/10.1016/j.matpr.2021.03.728">https://doi.org/10.1016/j.matpr.2021.03.728</a>
47.	Realization of full parallelism triple AES algorithm for Data Encryption	Sumithra M G	5th International Conference on Electronics, Communication and Aerospace Technology (ICECA).	Page. 663-670, 2021	Scopus Indexed conferences	<a href="https://doi.org/10.1109/iceca52323.2021.9676150">https://doi.org/10.1109/iceca52323.2021.9676150</a>
48.	Weiner filter based Hough Transform and wavelet feature extraction with neural network for classifying brain tumor	Sumithra M G	2021 6th International Conference on Inventive Computation Technologies (ICICT)	Page. 637 - 641, 2021	Scopus Indexed conferences	<a href="https://ieeexplore.ieee.org/document/9358680">https://ieeexplore.ieee.org/document/9358680</a>
49.	A Review on Smart Waste Collection and Disposal System	Dhivyasri G	Journal of Physics: Conference Series	Vol. 1969, 2021	Scopus Indexed conferences	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1969/1/012029">https://iopscience.iop.org/article/10.1088/1742-6596/1969/1/012029</a>
50.	A Review on Unmanned Crop Detection Techniques	Dhivyasri G	Journal of Physics: Conference Series	Vol. 1969, 2021	Scopus Indexed conferences	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1969/1/012028">https://iopscience.iop.org/article/10.1088/1742-6596/1969/1/012028</a>

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51.	Process automation through internet of things on copper coating process of stainless steel	Saranya M D	Materials Today: Proceedings	Volume 45, Part 2, 2021, Pages 2354-2356	Scopus Indexed conferences	<a href="https://www.sciencedirect.com/science/article/abs/pii/S2214785320383243?via%3Dihub">https://www.sciencedirect.com/science/article/abs/pii/S2214785320383243?via%3Dihub</a>
52.	Smart On-board Vehicle-to-Vehicle Interaction Using Visible Light Communication for Enhancing Safety Driving	Satheesh Kumar S	Inventive Computation and Information Technologies	vol 173, pp 247-257, 2021	Scopus Indexed conferences	<a href="https://link.springer.com/chapter/10.1007/978-981-33-4305-4_19">https://link.springer.com/chapter/10.1007/978-981-33-4305-4_19</a>
53.	Organic LED Farming for Self Sustainability During Post COVID-19	Manikandan M	Journal of Physics: Conference Series	Volume 1969, 2021	Scopus Indexed conferences	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1969/1/012053">https://iopscience.iop.org/article/10.1088/1742-6596/1969/1/012053</a>
54.	Big data-based spectrum sensing for cognitive radio networks using Artificial Intelligence	Sumithra M G	Big Data Analytics for Sustainable Computing	Page. 146-159, 2020	Book Chapters	<a href="https://doi.org/10.4018/978-1-5225-9750-6.ch009">https://doi.org/10.4018/978-1-5225-9750-6.ch009</a>
55.	Anomaly detection in Vitis vinifera using neural networks and Radon transform	Finney Daniel Shadrach S	Advances in Electrical and Computer Technologies,	Page. 707 - 711, 2021	Book Chapter	<a href="https://doi.org/10.1007/978-981-15-9019-1_61">https://doi.org/10.1007/978-981-15-9019-1_61</a>
56.	Recital study of different segmentation techniques for Brain tumor detection	Sumithra M G	Advances in Automation, Signal Processing, Instrumentation,	Page. 2359-2368, 2021	Book Chapters	<a href="https://doi.org/10.1007/978-981-15-8221-9_220">https://doi.org/10.1007/978-981-15-8221-9_220</a>



			and Control			
57.	Biomedical Analysis of Social Media/Video Games Addiction and Gamification of Neurocognitive Therapy for Rehabilitation	Venugopal D	Handbook of Research on Solving Modern Healthcare Challenges With Gamification	Page. 100-111, 2021	Book Chapter	<a href="https://www.igi-global.com/chapter/biomedical-analysis-of-social-mediavideo-games-addiction-and-gamification-of-neurocognitive-therapy-for-rehabilitation/269856">https://www.igi-global.com/chapter/biomedical-analysis-of-social-mediavideo-games-addiction-and-gamification-of-neurocognitive-therapy-for-rehabilitation/269856</a>
58.	Deep Learning for Moving Object Detection and Tracking	Kalirajan K	Examining the Impact of Deep Learning and IoT on Multi-Industry Applications	Chapter 9, Page 136-163, 2021	Book Chapter	<a href="https://www.igi-global.com/chapter/deep-learning-for-moving-object-detection-and-tracking/270420">https://www.igi-global.com/chapter/deep-learning-for-moving-object-detection-and-tracking/270420</a>

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