

**Dr.Mahalingam College of Engineering and Technology
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**Department of Electronics and Communication Engineering
Publication in National/International Journals&Book Publications**

AY: 2020-21:July 2020 to June 2021

S.No	Name of the Authors	Title of the paper	Journal Name	Volume Issue Page No	Month & Year	Indexing and Impact Factor	DOI
1.	Raghesh Krishnan K Sudhakar R Mohaideen Abdul Kadhar K	Particle swarm optimization-based liver disorder ultrasound image classification using multi-level and multi-domain features	International Journal of Imaging Systems and Technology ISSN:1098-1098	pp.1-20 E first	DEC 2020	SCI Scopus IF : 1.925	DOI: 10.1002/ima.22518
2.	R.Sherine Jenny R.Sudhakar M.Karthikpriya	Design of Compact S Box for Resource Constrained Applications	Journal of Physics: Conference Series E-ISSN:1742-6596	Volume 1767, pp.1-12	DEC 2020	Scopus https://iopscience.iop.org/article/10.1088/1742-6596/1767/1/012059	doi:10.1088/1742-6596/1767/1/012059
3.	C. Thirumarai Selvi J. Amudha R. Sudhakar	A modified salp swarm algorithm (SSA) combined with a chaotic coupled map lattices (CML) approach for the	Biomedical Signal Processing and Control Elsevier ISSN : 1746-8094	Volume 66, 102465 pp.1-13	April 2021	SCI Scopus 3.137 https://www.sciencedirect.com/scie	https://doi.org/10.1016/j.bspc.2021.102465

		secured encryption and compression of medical images during data transmission				nce/article/abs/pii/S1746809421000628	
4.	C. Thirumarai Selvi J. Amudha R. Sudhakar	Medical image encryption and compression by adaptive sigma filterized synorr certificateless signcryptive Levenshtein entropy-coding-based deep neural learning	Multimedia Systems, Springer Print ISSN: 0942-4962	27, 1059–1074	April 2021	SCI Scopus 1.563 https://link.springer.com/article/10.1007/s00530-021-00764-y	https://doi.org/10.1007/s00530-021-00764-y
5.	Ramadevi S, Bharathi S Sudha V K	Deep learning based Feature extraction method for Finger Vein Authentication	Journal of Xidian University Jan 2021 ISSN : 1001-2400	Vol.15, No.1, pp.423 - 431	January 2021	Scopus UGC	https://doi.org/10.37896/jxu15.1/045
6.	Dr.Bharathi S, Nivedeethaa A S, Kousiya M Ajay Kumar V	Identification of Melanoma from Nevus Images	Journal of Physics: Conference Series June 2021 Online ISSN: 1742-6596	Vol.1917 PP.1-10	June 2021	Scopus UGC	DOI:10.1088/1742-6596/1917/1/012027
7.	Sugunavathy S D.Parthiban Dr.V.K.Sudha	Fabric Woven Textile Antenna for Medical Applications	Journal of Physics: Conference Series June 2021 Online ISSN: 1742-6596	Vol.1917 pp.1-10	June 2021	Scopus https://iopscience.iop.org/article/10.1088/1742-6596/1917/1/012022	doi:10.1088/1742-6596/1917/1/012022
8.	Suryasankar. R.P Devaraj D Kannapiran B	Development of Rasperry PI Based Underwater Image	International Journal of Disaster Recovery and Business Continuity	Vol. 12, No. 1, pp. 539-549	31 March 2021	WoS ESCI-Emerging Source Citation	https://mjl.clarivate.com/search-results

		Capturing System	SERC,ISSN: 2207-8363			Index http://sersec.org/journals/index.php/IJDRBC/article/view/35793	
9.	Suryasankar Devaraj Kannapiran B Saravanakumar	Estimating the Survival of Aqua Fauna by Image Analysis Techniques from the Videosequences of Pond Aquaculture	Agro Life Scientific Journal ISSN : 2285-5718; ISSN - L : 2285-5718	Volume 10, No. 1, 2021	2021	WoS ESCI-Emerging Source Citation Index http://agrolifejournal.usamv.ro/index.php/scientific-papers/current	http://mjl.clarivate.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER&ISSN=2285-5718
10.	K.Saranya K.N.Vijeyakumar	A Novel n-Decimal Reversible Radix Binary-Coded Decimal Multiplier Using Radix Encoding Scheme	Circuits, Systems, and Signal Processing, Springer ISSN: 0278-081X ISSN: 1531-5878	no.40 pp.1743–1761	25 September 2020	Scopus SCI 1.681 https://www.springer.com/journal/34	https://doi.org/10.1007/s00034-020-01549-w
11.	K.N.Vijeyakumar P.Nelson Kingsley Joel Shree H.S.Jatna N.Saravanakumar S.Kalaiselvi	Area Efficient Parallel Median Filter Using Approximate Comparator and Faithful Adder	IET Circuits, Devices & Systems ISSN: 1751-858X, ISSN: 1751-8598	Vo.14, No. 8, pp.1318 – 1331	November 2020	SCI SCOPUS 1.290 https://digital-library.theiet.org/content/journals/10.1049/iet-cds.2020.0059	10.1049/iet-cds.2020.0059

12.	N.Shankar N.Saravanakumar	Reduced Partial shading effect in Multiple PV Array configuration model using MPPT based Enhanced Particle Swarm Optimization Technique	Microprocessors and Microsystems, Elsevier ISSN: 0141-9331	No.103287	30 September 2020	Scopus SCI 1.161 https://www.journals.elsevier.com/microprocessors-and-microsystems	https://doi.org/10.1016/j.micropro.2020.103287
13.	N. Shankar, N. Saravanakumar, B. Indu Rani	Solar Photovoltaic Module Parameter Estimation with an Enhanced Differential Evolutionary Algorithm using the Manufacturer's Datasheet Information	Optik, Elsevier. Vol.224 ISSN: 0030-4026	Volume 224, 165700	December 2020	Scopus SCI 2.187 https://www.journals.elsevier.com/optik	https://doi.org/10.1016/j.jileo.2020.165700
14.	GhazanfarLatif, N. Saravanakumar, JaafarAlghazo, P. Bhuvaneshwari, K. Shankar Muhammad O. Butt	Scheduling and resources allocation in network traffic using multi objective, multiuser joint traffic engineering	Wireless Networks E-ISSN 1572-8196	Vol 26, Pages 5951–5963	09 July 2020	Scopus SCI 2.659 https://www.springer.com/journal/11276	https://doi.org/10.1007/s11276-020-02407-y
15.	Shalli Rani N. Saravanakumar SivaramRajeyyagari V. Porkodi SafdarHussainBouk	QoS aware cross layer paradigm for urban development applications in IoT	Wireless Networks E-ISSN 1572-8196	Vol 26, Pages 6203–6214	22 July 2020	Scopus SCI 2.659 https://www.springer.com/journal/11276	https://doi.org/10.1007/s11276-020-02430-z

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16.	D.Silambarasan K.N.Vijeyakumar N.Saravanakumar P.Nelson Kingsley Joel	Energy Efficient Parallel Adder with Faithful Approximation and Reversible Logic for Digital Image Processing	Solid State Technology ISSN:0038-111X	Vol.63 No 6 pp.15418-	De 2020	-	http://solidstatetechnology.us/index.php/JSST/article/view/7072
17.	N.Shankar N.Saravanakumar C.Kumar V.K.Kannan B.Indu Rani	Opposition-based equilibrium optimizer algorithm for identification of equivalent circuit parameters of various photovoltaic models	Journal of Computational Electronics ISSN:1572-8137	Vol.20, pp.1560– 1587	May 2021	SCI Scopus 1.532 https://link.springer.com/article/10.1007/s10825-021-01722-7#citeas	https://doi.org/10.1007/s10825-021-01722-7
18.	C. Kalamani M. Mayilsamy V. Rukkumani K. Srinivasan , R. Mohan Kumar K. Paramasivam	Hybrid encoding for test data compression	Microprocessors and Microsystems, Elsevier ISSN: 0141-9331	Vol 77, 103169 pp.1-7	September 2020,	Scopus SCI 1.161 https://www.journals.elsevier.com/microprocessors-and-microsystems	https://doi.org/10.1016/j.micpro.2020.103169
19.	C. Kalamani, S. Sowmiya, S. Dheivambigai, G. HariharaSudhan	Secured Mutual Authentication Protocol for Radio Frequency Identification Systems	International Journal of Electrical and Computer Engineering, World Academy of Science, Engineering and	Vol:14, No:5, pp.138-143 ISSN 1307-6892	2020	- https://publications.waset.org/	

			Technology,				
20.	N.Sugirtham R.Sherine Jenny	Impact of Queuing Disciplines on the Performance of Multi-Class Traffic in a Network	Information Technology in Industry ISSN (Online): 2203-1731	Volume 9, No 1, pp.691-697	March 2021	WoS ESCI-Emerging Source Citation Index	https://doi.org/10.17762/itii.v9i1.188
21.	Dr.S.Kirubakaran, K.Saravanan, Dr.C.Kamalanathan, R.Gowrishankar, Senthilkumar.J.	Tree based routing algorithm for ZIGBEE wireless networks	Journal of Critical Reviews ISSN 2394-5125	Vol.7 No.7pp.196 1-1967	October 2020	Scopus UGC Care http://www.jcreview.com/?mno=111739	DOI: 10.31838/jcr.07.07.310
22.	V.Gurunathan T.Sathiyapriya J.Dhanasekar	Multimodal Biometric System Based on Dorsal and Palm Vein Images	Journal of Xidian University August 2020. ISSN: 1001-2400	Volume 14 Issue 7 pp.298 - 303	July 2020	Scopus UGC Care	https://doi.org/10.37896/jxu14.7/170
23.	Thilagavathi S Nivethitha K S, Preeti P, Vikram D T	IoT based Smart Retail System with Social Distancing for Covid19 Outbreak	Journal of Physics: Conference Series June 2021 Online ISSN: 1742-6596	Vol.1917 pp.1-12	June 2021	Scopus	https://iopscience.iop.org/article/10.1088/1742-6596/1917/1/012030
24.	N.Gokulnath, M.Dharshini, P.Gandhimohan S.Thilagavathi	Compact Dual Band Microstrip Patch Antenna for Wireless Applications with Enhanced Bandwidth	Journal of Xidian University August 2020. ISSN : 1001-2400	Volume 14 Issue 8 pp.298 - 303	August 2020	Scopus UGC Care	https://doi.org/10.37896/jxu14.8/031

Books for AY 2020-21						
S.No	Name of the Authors	Title of the B	Publisher Name	ISBN & Pages	Month & Year	DOI
1	Sudhakar R (Edited by)	Coding Theory	INTECH OPEN	INTEISBN: 978-1-78984- 442-9 Number of Pages: 420	March 11th 2020	DOI: 10.5772/intechopen.77427

Book Series : AY 2020-21							
S.No	Name of the Authors	Title of the B	Publisher Name	ISBN & Pages	Month & Year	DOI	Indexing
1	S. Manivannan N. Shankar A. Santhoshkumar P. Selvabharathi N. Saravanakumar	Advanced Bidirectional Switches- Based Three-Phase to N-Phase High-Power Impedance Source Matrix Converter	Advances in Materials Research, Springer E-ISBN:978-981-15 8319-3	E First	Feb 2021	https://doi.org/10.1007/978-981-15-8319-3	=
2	S.Manivannan, S.Sudhahar, G.M.Oorappan, K.Rajalashmi, N.Saravanakumar	Design Implementation and Evaluation of Password Protected Circuit Breaker for Reliable Power System Protection and Maintenance	Advances in Materials Research E-ISBN : 978-981-15-8319- 3_92 pp.923-932	E First	Feb 2021		=