

**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: 2021-22:July 2021 to June 2022

S.No	Name of the Authors	Title of the paper	Journal /Conference Name	Volume Issue Page No	Month & Year	Indexing and Impact Factor	DOI
1.	Kannapiran B Senthilkumar N Vishnuvarthanan G Yudong Zhang	Minimally parametrized segmentation framework with dual metaheuristic optimization algorithms and FCM for detection of anomalies in MR brain images	Biomedical signal processing and control, Elsevier	78(2):103866	Sep 2022	SCI Scopus	10.1016/j.bspc.2022.103866
2.	Manivannan S, Saravanakumar N Vijeyakumar K N	Three-Phase power conversion using QUASI Z source direct matrix converter (QZSDMC) for fixed frequency to variable frequency using direct duty ratio based pulse width modulation technique	International Journal of Electronics Print ISSN: 0020-7217 Online ISSN: 1362-3060	E First 05 Sep 2021	Sep 2021	SCI Scopus IF:1.336	DOI: 10.1080/00207217.2021.1966668
3.	Kalaiselvi S Vijeyakumar K N, Nagarajan S Kousalya M Ramya R	Area–Energy–Error Optimized Faithful Multiplier for Digital Signal Processing	Circuits, Systems, and Signal Processing ISSN:0278-081X / 1531-5878	Vol.40, pp.6224– 6241	July 2021	SCI Scopus IF:2.225	https://doi.org/10.1007/s00034-021-01765-y

	Sriram Kumar						
4.	K.N.Vijeyakumar S.Maragatharaj	Efficient Energy Optimized Faithful Adder with Parallel Carry Generation	Computers, Materials & Continua Tech Science Press ISSN : 1546-2226	Vol.70, No.2, pp.2543-2561	Septem ber 2021	SCI Scopus IF:3.772	doi:10.32604/cmc. 2022.019789
5.	S.Nagarajan, K.N.Vijeyakumar, N.Saravanakumar, A.Janani and A.R.Mythili,	High performance area efficient approximate Adders for image processing applications	Journal of Xidian University, ISSN No:1001-2400	Volume 16, No. 3, 2022 ,Page No: 202-209	March 2022	Scopus	https://doi.org/10. 37896/jxu16.3/022
6.	Manivannan S, Saravanakumar N Vijeyakumar K N	Dual space vector PWM technique for a three-phase to five- phase quasi Z-source direct matrix converter	Journal for Control, Measurement, Electronics, Computing and Communications, Taylor & Francis Ltd ISSN:0948-7921	Volume 63, 2022,No.4,pp 756-778	May 2022	SCI Scopus	https://doi.org/10. 1080/00051144.202 2.2078945
7.	Manivannan, S., Saravanakumar, N. Vijeyakumar, K.N	Three-phase to K-phase power conversion using voltage fed quasi Z source direct matrix converter with maximum constant boost control technique	Electrical Engineering, Springer Berlin Heidelberg ISSN NO: 0948-7921 / 1432-0487	Vol.46	May 2022	SCI Scopus	https://doi.org/10. 1007/s00202-022- 01572-x
8.	Sherine Jenny.R Arun Prassath A.S Mohammed Nazeem.I, Kishore.P	Efficient EIGRP Routing protocol in software defined network	Journal of Xidian University,ISSN No:1001-2400	Volume 16, No. 2, 2022 ,Page No: 163 - 170	Feb 2022	Scopus	https://doi.org/10. 37896/jxu16.2/013
9.	N.Sugirtham, Prathiusha.K, Subhashini.S Saran Kumar.R. G,	Implementation of Signature algorithm with SHA-512 to Forfend Medical data	Journal of Xidian University No:1001-2400	Volume 16, No 2, 2022	Feb 2022	Scopus	https://doi.org/10. 37896/jxu16.2/023

10.	Parthiban D, Subapiratha R K Shri sowmiyarani S	Graphene based Microstrip Patch Antenna for Triple and Quad Band Operation at Terahertz Frequency	Journal of Xidian University, ISSN No:1001-2400	Volume 16, No. 3, 2022 ,Page No:155-163	March 2022	Scopus	https://doi.org/10.37896/jxu16.3/016
11.	Sugunavathy S, Abinaya Soundharya I, HariPrasath K, Loga Priya G,	Multiband wearable antenna for body area network application	Journal of Xidian University, ISSN No:1001-2400	Volume 16, No. 3, 2022 ,Page No: 68-77	March 2022	Scopus	https://doi.org/10.37896/jxu16.3/008
12.	Gayathree K, Saranya K Nithiyasree S	Performance overhead analysis of 8-tap filter using parallel prefix adders	Journal of Xidian University, ISSN No:1001-2400	Volume 16, No. 4, 2022 , Page No:1-4	May 2022	Scopus	https://doi.org/10.37896/jxu16.4/001

Books for AY 2021-22						
S.No	Name of the Authors	Title of the Book/Chapter	Publisher Name	ISBN & Pages	Month & Year	DOI
1	K.Mohaideen Abdul kadhar G.Anand	Data Science with Raspberry Pi (Book)	Springer	ISBN: 978-1-4842- 6825-4 Number of pages:239	July 2021	https://link.springer.com/book/10.1007/978-1-4842-6825-4

Book Chapters for AY 2021-22						
1	T.Sathiyapriya T.Poornima Dr.R.Sudhakar	Design and Characterization of Novel Reconfigurable Graphene Terahertz Antenna Using Metamaterials: Advances in Terahertz Technology and Its Applications	Springer	eBook ISBN 978-981-16-5731- 3 Print ISBN 978-981-16-5730-	31 st October 2021	https://link.springer.com/book/10.1007/978-981-16-5731-3?sap-outbound-id=654403FB2B49CE81B2F3C668A05416D97C4EFEDB

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2	C.ThirumaraiSelvi, J. Amudha, R. Sudhakar	Dual Customized U-Net-based Automated Diagnosis of Glaucoma: Machine Learning and Deep Learning Techniques for Medical Science	Taylor& Francis	eBook ISBN 9781003217497	March 2022	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003217497-13/dual-customized-net-based-automated-diagnosis-glaucoma-thirumarai-selvi-amudha-sudhakar
3	Senthilkumar N, Vishnuvarthanan, Anitha, Rajasekaran Arunprasath Deny John Kannapiran B	Review on Brain MRI Segmentation Methods: Advances in Automation, Signal Processing, Instrumentation, and Control	Springer Professional	Print ISBN: 978-981-15-8220-2	December 2021	https://doi.org/10.1007/978-981-15-8221-9
4	V. V. Teresa, V. Gurunathan, T. Sathiyapriya	An Efficient Technique for Image Compression and Quality Retrieval in Diagnosis of Brain Tumour Hyper Spectral Image: Machine Learning and Deep Learning Techniques for Medical Science	Taylor& Francis	eBook ISBN 9781003217497	March 2022	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003217497-2/efficient-technique-image-compression-quality-retrieval-diagnosis-brain-tumour-hyper-spectral-image-teresa-dhanasekar-gurunathan-sathiyapriya
5	T. Sathiyapriya, V. Gurunathan J. Dhanasekar	Design of High Isolation MIMO Antennas for Ultra-Wide Band Communication: Evolution in Signal Processing and Telecommunication Networks	Lecture Notes in Electrical Engineering, Springer	E-ISSN:1876-1119 Pages 161-170	March 2022	https://link.springer.com/chapter/10.1007/978-981-16-8554-5_16