

ACADEMIC YEAR 2020-21

FACULTY PUBLICATION

DEPARTMENT OF ECE

S.No	Description	Count
1	Scopus Indexed	5
2	WOS Indexed	3
3	SCI/SCIE Indexed	3
Total(Scopus/WoS)		11
4	Other reputed journal	10
Total		21
5	Book Chapter	2

1. A.Deepa, Dr.C.N.Marimuthu, "VLSI Design of a Squaring Architecture based on Yavadunam Sutra of Vedic Mathematics", 2020 International Conference on Electronics and Sustainable Communication Systems (ICESC), IEEE publisher,PP:1162-1167 ISBN:978-1-7281-4109-1,2020 (**Scopus index**)
2. Muthukumar Marappan,Rengarajan Narayanan et al, "Scaling up Studies on PEMFC cell Using a Modified Serpentine Flow Field Incorporating Porous Sponge Inserts to Observe Water Molecules", *Molecules* 2021, vol. 26,2 286. PP:1-16,2021 (**Scopus index**)
3. M.Muthukumar, A.Ragul Aadhitya, N.Rengarajan, K.Sharan, "Effects of Different Membranes on the Performance of PEM fuel cell", *Advances in Automotive Technologies. Lecture Notes in Mechanical Engineering.* Springer, Singapore.PP:113-125,Print ISBN978-981-15-5946-4,2020(**Scopus index**)
4. M.Muthukumar,N.Rengarajan *et al*, "The development of fuel cell electric vehicles - A review", *Materials Today: Proceedings*,2020 (**Scopus index**)
5. G.Pradeepkumar, S.Kavitha *et al*, "Investigation on Watermarking Algorithm for Secure Transaction of Electronic Patient Record by Hybrid Transform" , *Proceedings of the Fourth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)* ISBN: 978-1-7281-5464-0,2020 (**Book chapter**)

6. Sukumar ponnusamy,Ravi Samikannu *et al*, “Computer aided innovation method for detection and classification of cervical cancer using ANFIS classifier”, Journal of Ambient Intelligence and Humanized Computing, ISSN: 1868-5137 ,2020 (**SCIE index**)
7. R.Murugasami, U.S.Ragupathy, “Performance analysis of clock pulse generators and design of low power area efficient shift register using multiplexer based clock pulse generator, Microelectronics Journal, Volume 105, p104891, ISSN 0026-2692, 2020. (**SCIE index**)
8. D.Arulanantham, Kavitha.S *et al*, “A location based energy proficient path routing for internet of things and its applications”, Innovations in Information and Communication Technology, pp. 006-010, Online ISBN: 978-81-950008-1-4, 2020.(**Book chapter**)
9. D.Arulanantham,C.Palanisamy,“DACASN: Dynamic ant routing-based channel accessing cognitive sensor network in Internet of Things”, Int. journal of comm sys, Vol.34, iss.1, e4672, 2021. (**SCI index**)
10. J.Paruvathavardhini, S.Brindha *et al*, “A Study Depicting The Advent Of Artificial Intelligence In Health Care” European Journal of Molecular & Clinical Medicine ,Volume 07, Issue 11, ISSN 2515-8260,2020. (**WoS**)
11. T.Jayachandran, Dr.K.Sharmilee, “Design of area efficient and Low power Square Root Carry Select Adder” Biosc.Biotech.Res.Comm. Special Issue Vol 13 No (6) , 2020. (**WoS**)
12. S.Brindha, N.Manikandaprabhu, “Certain Investigation on Palm Vein based Authenticating System”, Biosc.Biotech.Res.Comm. Special Issue Vol 13 No (6) , 2020. (**WoS**)
13. E.K.Arulkarthick, S.Lakshmi Narayan *et al*, “Temperature Prediction by Machine Learning using Bolt Cloud”, International Journal for Research in Applied Science & Engineering Technology (IJRASET),Volume 9 ,Issue II,PP:180-183, ISSN: 2321-9653;2021
14. T.Jayachandran, O. Cyril Mathew, P. Senthil Kumar Dr.K.Sharmilee ”Structured Analysis Sparsity Learning and Deep Learning for Image Restoration”, Annals of the Romanian Society for Cell Biology, Volume 25, Issue 4,2021.
15. G. Rathanasabhpathy, G. Nisha, M. Selvarani, M. Sivasakthi, N. Sree Takshin, “IOT based Fire and toxic gas Extinguisher using RF module” International Journal for

Research in Applied Science & Engineering Technology (IJRASET), Volume 9 ,Issue II,PP:857-863, ISSN: 2321-9653;2021

16. T.G.Dhaarani, R.Devibala, R.Dharani, M.Jamuna, R.Selshiya, “Scheduling Methods in D2D Communications of WSN Multihop Network” International Journal on Applications in Information and Communication Engineering, Volume 7 ,Issue I,PP:34-38, ISSN 2394-6237
17. T.G.Dhaarani, M.Akila, A.C.Dharani, S.Jeevitha, V.Sruthi “Scheduling Scheme for Full Duplex Wireless Powered Communication Network” International Journal on Applications in Information and Communication Engineering, Volume 7 ,Issue II,PP:1-4, ISSN 2394-6237
18. Dr.S.Mahendrakumar, Dr.T.Gunasekar, Ms.K.Vanitha, Ms.P.Kokila, “Design of multiband Microstrip Patch Antenna using HFSS for 3G/4G wireless communication” Bioscience Biotechnology Research Communications, Special Issue Vol 13 No (6) ISSN 2321-4007.
19. V.Logeswari,P.Nandhakumar,A.Santhoh,G.Saran,A.Tamilvanan, “Design of four stack millimeter antenna for medical applications”, "International Research Journal of Engineering and Technology", Volume 8,issue 4,ISSN:2395-0056,2021.
20. D Arulanantham, C Palanisamy, G Pradeepkumar, S Kavitha, “An Energy Efficient Path Selection Using Swarm Intelligence in IoT SN”, Journal of Physics: Conference Series, ISSN 1916 (2021) 012102,2021. (Scopus Index)
21. S Prasad Jones Christydass , J Suganthi , S Kavitha , R Yuvaraj, “Ring monopole antenna for Tera-Hertz application”, Materials Today: Proceedings, Volume 45, Part 2, 2021, Pages 1827-1833.