



## Department of ECE Staff Publication List Academic Year: 2022 - 2023

Sl. No	Publication details (Authors, Title, Journal, Volume, Issue, Pages, Year, ISSN, (DOI) etc.	Impact factor (SCI)	SCI/ Scopus
1.	<b>Ashok C</b> , Venkateswaran N, Vaddi Lakshmi Satya Sai Sarojini and Sneha Rajan, “An Unambiguous DOA Estimation Method for Coprime Array with Displaced Subarrays”, Journal of Applied Acoustics (Elsevier), Vol. 195, June 2022, 108818, <a href="https://www.sciencedirect.com/science/article/abs/pii/S0003682X2200192X">https://www.sciencedirect.com/science/article/abs/pii/S0003682X2200192X</a>	3.614	SCI
2.	<b>Venkatesan.K</b> , A.Chandrasekhar ,P.G.V Ramesh , ,” On-Demand DWDM Design Using Machine Learning”Journal of soft computing, June 2022 <a href="https://doi.org/10.1007/s00500-022-07181-x">https://doi.org/10.1007/s00500-022-07181-x</a>	3.732	SCI
3.	<b>Venkatesan.K</b> P.G.V Ramesh, A.Chandrasekhar,K.Ramachandra Reddy”Green channel DWDM design using Optimized CFBG”, Journal of Optoelectronics and Advanced Materials - Rapid Communications, Vol. 16, No. 5-6, June 2022 pp.200-208 <a href="https://oam-rc.inoe.ro/articles/green-channel-dwdm-design-using-optimized-cfbg/">https://oam-rc.inoe.ro/articles/green-channel-dwdm-design-using-optimized-cfbg/</a> .	0.556	SCI
4.	<b>Niruban Rathakrishnan</b> , Deepa Raja,” Optimized convolutional neural network based comprehensive early diagnosis method for multiple eye disease recognition, Journal of Electronic Imaging, Vol 31, Issue 4, pp.043016-1 to 043016-21, July 2022 <a href="http://dx.doi.org/10.1117/1.jei.31.4.043016">http://dx.doi.org/10.1117/1.jei.31.4.043016</a> .	0.829	SCI
5.	<b>S.Devipriya</b> ,., J.Martin Leo Manickam,. & X. Anita, ” On the outage performance of decode-and-forward based relay ordering in cognitive wireless sensor networks” Journal of Wireless Networks, Vol 28, issue 7, pp 3247-3259, July 2022 <a href="https://link.springer.com/article/10.1007/s11276-022-03038-1">https://link.springer.com/article/10.1007/s11276-022-03038-1</a> .	2.701	SCI
6.	K.K Arun, <b>S. Rajeshkannan</b> , P. Ezhilarasi, L. Natrayan“ A preliminary study on the reactive suspension approach to create bioactive polymer nanocomposites for dental applications” Digest Journal of Nanomaterials and Biostructures, Vol. 17, No. 3, , p. 931 – 939, Sep 2022. <a href="https://chalcogen.ro/931_ArunKK.pdf">https://chalcogen.ro/931_ArunKK.pdf</a> .	0.899	SCI



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7.	K. Jaspin , <b>Shirley Selvan</b> ,Princy Salomy, Packianathan & Preetha Kumar, “ Convolution Neural Network Based Classification of Plant Leaf Disease Images”, Lecture Notes in Electrical Engineering, volume 925, Sep 2022.		Scopus
8.	<b>R. Prabhu</b> & B. Parvathavarthini, “ Morphological Slum Index for Slum Extraction from High-Resolution Remote Sensing Imagery over Urban Areas”, Journal of Geocarto International, Sep 2022. <a href="https://doi.org/10.1080/10106049.2022.2086624">https://doi.org/10.1080/10106049.2022.2086624</a> .	3.450	SCI
9.	Shobhit K. Patel, Arun Kumar Udayakumar, G. Mahendran, <b>B. Vasudevan</b> , Jaymit Surve & Juveriya Parmar, “ Highly efficient, perfect, large angular and ultrawideband solar energy absorber for UV to MIR”, Journal of Scientific Reports, Oct 2022. <a href="https://www.nature.com/articles/s41598-022-22951-1">https://www.nature.com/articles/s41598-022-22951-1</a>	4.996	SCI
10.	Bhishma Karki , <b>B.Vasudevan</b> , Arun Uniyal, Amrindra Pal , Vivek Srivastava, “ Hemoglobin detection in blood sample using a graphene-based Surface plasmon resonance biosensor”, Journal of Optik, Nov 2022. <a href="https://doi.org/10.1016/j.ijleo.2022.169947">https://doi.org/10.1016/j.ijleo.2022.169947</a> .	2.840	SCI
11.	Mahalakshmi. R,Srinivasan, V.Prasanna, <b>Aghalya. S</b> , and . Muthukumar.D, “ Prediction of Link Failure in MANET-IoT using Fuzzy Linear Regression”, Journal of Intelligent Automation and Soft computing, vol.36, no.2, Dec 2022. <a href="https://file.techscience.com/files/iasc/2023/TSP_IASC-36-2/TSP_IASC_32709/TSP_IASC_32709.pdf">https://file.techscience.com/files/iasc/2023/TSP_IASC-36-2/TSP_IASC_32709/TSP_IASC_32709.pdf</a> .	3.401	SCI
12.	G. Murugesan, J. Jeyapriya , M. Hemalatha and <b>S. Rajeshkannan</b> , “ Faster Region Based Convolutional Neural Network for Skin Lesion Segmentation”, Journal of Intelligent Automation and Soft computing, vol.36, no.2, Dec 2022. <a href="https://file.techscience.com/files/iasc/2023/TSP_IASC-36-2/TSP_IASC_32068/TSP_IASC_32068.pdf">https://file.techscience.com/files/iasc/2023/TSP_IASC-36-2/TSP_IASC_32068/TSP_IASC_32068.pdf</a> .	3.401	SCI



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### CONFERENCES

Sl. No	Publication details (Authors, Title, Conference, Volume, Issue, Pages, Year, ISSN, (DOI) etc.	(Scopus)	
1	<b>S. Devipriya</b> , J. Martin Leo Manickam and K. Jasmine Mystica, "A Deep-Learning Based Approach to Resource Allocation in NOMA Based Cognitive Radio Network with Heterogeneous IoT Users", IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE), pp.1-6. June 2022.	Scopus	
2	<b>G. Anitha</b> , J. Martin leo manickam, G. Balakrishnan and G. Sanjay Kumar, "Machine learning based non invasive method of determining total body water", International conference on communication and Electronics systems (ICCES 2022) -July 2022.	Scopus	
3.	Pearline Sheba Grace, <b>Ezhilarasi P</b> , "Enhanced Marker-Controlled Watershed Segmentation Algorithm for Brain Tumor Segmentation", Communications in Computer and Information Science, Springer, volume 1579, pp. 154–166, July 2022.	Scopus	
4	S.Janaki, <b>D.Lakshmi</b> , "A Novel Implementation of Esophagus Diagnosis Using Deep Learning", 2nd International Conference on Advance Computing and Innovative Technologies in engineering Conference, IEEE Conference Record No.: 53722, August 2022.	Scopus	
5	K. Karthikayani, G. Elumalai, K. Jeyapiriya, S. Sree Southry, S. Gayathri, and <b>A. M. Balamurugan</b> , "Performance analysis of various segmentation algorithms for microarray images", AIP Conference Proceedings, Sep 2022.	Scopus	
6	K. Karthikayini, S.Uma Maheswari, T. Vennila, S. Rajesh, S. B. Viswanath, and <b>S. Vinayagapriya</b> , "Attractive image artifacts suppression in color transfer image", AIP Conference Proceedings, Volume 2518, Issue 1, Sep 2022.	Scopus	



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7	<b>Jasmine Mystica</b> , K., Martin Leo Manickam, J., Devipriya, S., “ Node Temperature Aware Next Hop Selection Scheme for Implant WBAN”, 2nd Asian Conference on Innovation in Technology, Oct 2022 10.1109/ASIANCON55314.2022.9909215.	Scopus	
8	Sumeet Gupta, Paruchuri Chandra Babu Naidu, Vasudevan Karuppan, M. Alagumeenaakshi, <b>R.Niruban</b> and J.N. Swaminathan, “Analysis of various Toxic gas Levels using 5G ML-IoT for Air Quality Monitoring and Forecasting”, Sixth International Conference on Information and Communication Technology for Intelligent Systems (ICTIS 2022) Vol 02, pp.789-802, Oct 2022	Scopus	
9	<b>D.Lakshmi</b> ,J.Sivakumar,S.Ramani, “ Multi-Class SVM Prediction Model for Lung Cancer Diagnosis”, International Conference on Artificial Intelligence for Smart Community(LNEE), Nov 2022.	Scopus	
10	Christo Ananth, <b>P. Thenmozhi</b> , Densy John Vadakkan. S. Kavitha, T.Ananth Kumar, “ Artificial Intelligence based Visual Aid with Live Tracking of Visually Impaired People”,International Conference on Technological Advancements in Computational Sciences(ICTACS) , Dec 2022.	Scopus	
11	Juliah A .N , <b>B.Vasudevan</b> ,” A report on Alzheimer's disease Action and Semantical Fluency”, 8th International Conference on Smart Structures and Systems, ICSSS 2022, July 2022.	Scopus	