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**DEPARTMENT OF ELECTRONICS &
INSTRUMENTATION ENGINEERING**

LIST OF SCOPUS INDEXED JOURNALS (Research Scholar Publications)

Sl.No	Title	Author	Year	Journal
Year --2022				
01	A Novel Approach towards Automatic Contour Identification of Jaw Cysts from Digital Panoramic Radiographs to improvise the Treatment planning	Veena Divya K, Anand Jatti, Vidya M. J., Revan Joshi, Srikar Gade,	2022	International Journal of Biology and Biomedical Engineering, vol. 16, pp. 1-8, DOI: 10.46300/91011.2022.16.1 .
Year --2021				
01	Relative Merits of Data Mining Algorithms of Chronic Kidney Diseases	Harsha Herle and Padmaja K V	2021	International Journal of Advanced Computer Science and Applications (IJACSA), http://dx.doi.org/10.14569/IJACS.A.2021.0120667 .
02	An efficient multilayer deep detection perceptron (MLDDP) methodology for detecting testicular anomalies with or without congenital heart disease (TACHD)	D. Kavitha, C. H. Renumadhavi	2021	Publisher Springer US;Journal: The Journal of Supercomputing; An International Journal of High-Performance Computer Design, Analysis, and Use, Print ISSN: 0920-8542, Electronic ISSN: 1573-0484. DOI: https://doi.org/10.1007/s11227-021-04008-8 ;
03	Accuracy in Depth Recovery and 3D Image Synthesis from Single Image Using Multi-Color Filter Aperture and Shallow Depth of Field," in	R. R. Deshpande, M. R. Bhatt and C. H. R. Madhavi	2021	IEEE Access, vol. 9, pp. 123528-123540, 2021, doi: 10.1109/ACCESS.2021.3109865.
04	An improved transfer learning approach towards breast cancer classification on deep residual network, 2021, Indian Journal of Computer Science and Engineering, 2021, 12(4), pp. 1136–1148. Vol. 12 No.	Rajasree, P.M., Jatti, A., Santosh, D	2021	Indian Journal of Computer Science and Engineering

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	4	Jul-Aug 2021.	DOI:		
	10.21817/indjcse/2021/v12i4/211204222.				
Year – 2020					
01	Performance Assessment of Ultrasound Kidney Images using De-speckling algorithms		Harsha Herle and Dr.K.V.Padmaja	2020	Indian Journal of Computer Science and Engineering
02	Application Of Machine Learning Algorithm To Diagnose Prenatal Ventricular Septal Defects From Ultrasound Images		Kavitha. D , C. H. Renumadhavi and S. Sridevi	2020	ARPJ Journal of Engineering and Applied Sciences
03	Breast Cancer segmentation & Classification of image using ResNet		Kumar, N.M., Jatti, A., Venu, K.N.	2020	Test Engineering and Management
04	Breast cancer classification of image using modified-resnet		Nagendra Kumar, M., Jatti, A., Mahendra, S.J.	2020	International Journal of Advanced Trends in Computer Science and Engineering
05	Breast cancer classification of image using modified-resnet		Nagendra Kumar, M., Jatti, A., Mahendra, S.J.	2020	Journal of Advanced Research in Dynamical and Control Systems
06	Performance Analysis of Data Communication Using Hybrid NoC for Low Latency and High Throughput on FPGA		Amaresh, C., Jatti, A.	2020	Advances in Intelligent Systems and Computing
Year - 2019					
07	Probable Region Identification and Segmentation in Breast Cancer using the DL-CNN		Nagendra Kumar M, AnandJatti	2019	second International conference on smart systems and inventive technology
08	A Correlative Study of contrary Image Segmentation Methods Appending Dental Panoramic X-ray Images to Detect Jawbone Disorders		KrishnappaVeenaDivya, AnandJatti	2019	Springer’s Nature Singapore Pte Ltd
09	Efficient Design and Fpga Implementation of Microarchitecture for Network –on –chip Routers,		Amaresh C, AnandJatti	2019	International Journal of Innovative Technology and Exploring



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				Engineering,
10	Appending photoplethysmograph as a security key for encryption of medical images using watermarking	Vidya, M.J., Padmaja, K.V.	2019	Advances in Intelligent Systems and Computing
11	A novel approach to jointly address localization and classification of breast cancer using bio-inspired approach	Sushma, S.J., Prasanna Kumar, S.C.	2019	International Journal of Electrical and Computer Engineering
12	Development of a hybrid framework to characterize red lesions for early detection of diabetic retinopathy	Devaraj, D., Prasanna Kumar, S.C.	2019	Indonesian Journal of Electrical Engineering and Computer Science
13	An efficient computational approach to balance the trade-off between image forensics and perceptual image quality	Shashidhar, T.M., Ramesh, K.B.	2019	International Journal of Electrical and Computer Engineering
14	Framework for cost-effective analytical modelling for sensory data over cloud environment	Manujakshi, B.C., Ramesh, K.B.	2019	International Journal of Electrical and Computer Engineering
15	DNA-based XOR operation (DNAX) for data security using DNA as a storage medium	Siddaramappa, V., Ramesh, K.B.	2019	Studies in Computational Intelligence
16	A novel experimental prototype for assessing IoT performance on real-time analytics	Manujakshi, B.C., Ramesh, K.B.	2019	Advances in Intelligent Systems and Computing
17	FARIP: Framework for artifact removal for image processing using JPEG	Shashidhar, T.M., Ramesh, K.B.	2019	Advances in Intelligent Systems and Computing
18	Patch-based feature extraction algorithm for mammographic cancer images	Rajasree, P.M., Jatti, A.	2019	Advances in Intelligent Systems and Computing



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19	Design and implementation of secured agent based noc using shortest path routing algorithm	KendagannaSwamy, S., Jatti, A., Uma, B.V	2019	International Journal of Electrical and Computer Engineering
Year - 2018				
20	Enhancing security of electronic patient record using watermarking technique	Vidya, M.J., Padmaja, K.V.	2018	Materials Today: Proceedings
21	Efficient H.264 decoder architecture using external memory and pipelining	Poornima, G.R., Prasanna Kumar, S.C.	2018	Indonesian Journal of Electrical Engineering and Computer Science
22	Biometrics Secured Voting System with Finger Print, Face and Iris Verification	Kavitha, S.N., Shahila, K., Prasanna Kumar, S.C.	2018	Proceedings of the 2nd International Conference on Computing Methodologies and Communication, ICCMC 2018
23	Design and Development of Micro-channel using PDMS for Biomedical Applications	Yadhuraj, S.R., BabuGandla, S., Omprakash, S.S., Sudarshan, B.G., Prasanna Kumar, S.C.	2018	Materials Today: Proceedings
24	Preparation and Study of PDMS Material	Yadhuraj, S.R., BabuGandla, S., Sudarshan, B.G., Prasanna Kumar, S.C.	2018	Materials Today: Proceedings
25	Analysis of linear and non-linear parameters of HRV for opting optimum parameters in wearable device	Yadhuraj, S.R., Sudarshan, B.G., Prasanna Kumar, S.C., Mahesh Kumar, D.	2018	Materials Today: Proceedings



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26	Study of PDMS material for ECG electrodes	Yadhuraj, S.R., Sudarshan, B.G., Prasanna Kumar, S.C., Mahesh Kumar, D.	2018	Materials Today: Proceedings
27	A survey on segmentation of exudates and microaneurysms for early detection of diabetic retinopathy	Devaraj, D., Suma, R., Prasanna Kumar, S.C.	2018	Materials Today: Proceedings
28	Robust detection of hard exudates for diagnosis of non-proliferative diabetic retinopathy using integrated approach	Devaraj, D., Prasanna Kumar, S.C.	2018	Advances in Intelligent Systems and Computing
Year - 2017				
29	Affirmation of electronic patient record through bio-electric signal for medical data encryption authenticity	Vidya, M.J., Padmaja, K.V.	2017	IEEE Region 10 Annual International Conference, Proceedings/TENCON
30	Performance of Zero forcing pre-coder for vectored DSL	Katiyar, R., Padmaja, K.V.	2017	IEEE Region 10 Annual International Conference, Proceedings/TENCON
31	Reviewing the effectivity factor in existing techniques of image forensics	Shashidhar, T.M., Ramesh, K.B.	2017	International Journal of Electrical and Computer Engineering



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32	A study and analysis of image enhancement techniques augmenting dental pantamograms to review jawbone cysts and tumors	Divya, K.V., Jatti, A., Joshi, R., Krishna, S.D.	2017	IEEE Region 10 Annual International Conference, Proceedings/TENCON
33	Characterization of dental pathologies using digital panoramic X-ray images based on texture analysis	VeenaDivya, K., Jatti, A., Joshi, R., Deepu Krishna, S.	2017	Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS
34	Computer aided classification using support vector machines in detecting cysts of jaws	VeenaDivya, K., Jatti, A., Revan Joshi, P., Meharaj, S.	2017	Advances in Science, Technology and Engineering Systems
Year - 2016				
35	Leveraging communication performance for OFDMA using novel bit loading and allocation of power	Reddy, C.V., Padmaja, K.V.	2016	Proceedings of the 2016 IEEE International Conference on Wireless Communications, Signal Processing and Networking, WISPNET 2016
36	Appending a novel module to detect and monitor concussions in helmets - A prototype	Divya, K.V., Rajasree, P.M., Vidya, M.J.	2016	International Conference on Signal Processing, Communication, Power and Embedded System, SCOPES 2016 – Proceedings
37	An indigenous PPG acquisition system using monolithic photo-detector OPT101	Vidya, M.J., Padmaja, K.V., Chaithra, G.	2016	International Conference on Signal Processing, Communication, Power and Embedded System, SCOPES 2016 – Proceedings



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38	Review of techniques used for sensory data analytics over cloud	Manujakshi, B.C., Ramesh, K.B.	2016	Proceedings of the 2016 IEEE International Conference on Wireless Communications, Signal Processing and Networking, WiSPNET 2016
39	Image processing and parameter extraction of digital panoramic dental X-rays with ImageJ	Veena, D.K., Jatti, A., Sabah, M.P., Joshi, R.	2016	2016 International Conference on Computation System and Information Technology for Sustainable Solutions, CSITSS 2016
Year - 2015				
40	Performance enhancement and area optimization of 3×3 NoC using random arbiter	KendagannaSwamy, S., Jatti, A., Uma, B.V.	2015	Souvenir of the 2015 IEEE International Advance Computing Conference, IACC 2015
41	Platform level design for Network on Chips	KendagannaSwamy, S., Anil, N., Jatti, A., Uma, B.V.	2015	Souvenir of the 2015 IEEE International Advance Computing Conference, IACC 2015
Year - 2014				
42	Blood vessels segmentation with GUI in digital fundus images for automated detection of diabetic retinopathy	Devaraj, D., Kumar, S.C.P.	2014	Proceedings of 2014 International Conference on Contemporary Computing and Informatics, IC3I 2014