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LAST 5 YEARS PUBLICATIONS

S.no	Title of the Publication	Authors	Published in	Year/Volume/Issue Page no/Publisher
1	Exploitation of artificial intelligence for predicting the change in air quality and rain fall accumulation during COVID-19	Saravanan Manavalan Velmurugan S Bhanupriya P Booma Devi P	Energy Sources, Part A: Recovery, Utilization, And Environmental Effects.	2020/ Taylor & Francis Group
2	Extraction and Grading of Malignant Tumor from Abnormal Mammogram Image using Marker Controlled Watershed Segmentation	Preetha K, Velmurugan S, Vijayakumar M	International Journal of Advanced Science and Technology	2020/29/5/ 5323-5331/ Science and Engineering Research Support Society
3	A Smart Systems for people with Special Needs and Disabilities in Home Environment	L.Raja, S.Velmurugan, G.Shanthi, P.Balakrishnan	Journal of Advanced Research in Dynamical and Control Systems	2020/12/2/2231- 2241/ Institute of Advanced Scientific Research
4	A Survival Study on Data Gathering and Target Tracking Techniques for Energy Efficient Routing in WSN	G.Shanthi U.Nilabar Nisha, S.Velmurugan, L.Raja	Journal of Critical Reviews	2020/7/4/589-594/ Advance Scientific Research
5	Hybrid Bee Colony and Cuckoo Search based Centroid initialization for Fuzzy c-means clustering in bio-medical image segmentation	P.Shanmugapriya M.Vijayakumar, S.Velmurugan, V.Mohan	Intrenational journal of Innovative Technology and Exploring Engineering (IJITEE)	2019/8/9/1684-1688/ Blue Eyes Intelligence Engineering & Sciences Publication

6	Gabor wavelet multi-linear discriminant analysis for data extraction in ECG signals	S Velmurugan, A Mahabub Basha, M Vijayakumar	Cluster Computing	2019/22/6/14219-14229/ Springer US
7	Multiscale Wavelet Transformation and Amplitude Zone Time Epoch Coding for ECG Data Extraction and Compression	A. Mahabub Basha S. Velmurugan	Applied Mathematics & Information Sciences	2019/13/1-9/ Natural Sciences Publishing Cor.
8	Performance analysis of Electrocardiogram Data Extraction and Data compression in Healthcare Applications – A Review	Velmurugan S, Mahabub Basha A, Sivakumar P, Vijayakumar M	Sensor Letters	2018/16/12/901-910/ American Scientific Publishers
9	Detection and Extraction of P Wave and T Wave in ECG to Improve Sensitivity for E-Health Monitoring	Gowri K, Velmurugan S, AM.Basha, Vijay V	International Journal of Communication and Computer Technologies	2016/4/2/4020-4024

INTERNATIONAL CONFERENCES

- A Reconfigurable On-Chip Multichannel Data Acquisition and Processing (DAQP) system for multichannel signal processing” in the IEEE International conference on Pattern recognition, Informatics and Mobile Engineering (PRIME 2013) at Periyar University, Salem, Tamilnadu, India during 21st and 22nd February 2013.
- An Efficient system for the electrocardiogram data acquisition and analysis using LabVIEW, International conference on Synergistic Evolutions in Engineering ”,4 th& 5th March 2015
- Detection and Extraction of P Wave and T wave in ECE Signals to improve Sensitivity for E -Health monitoring 2nd International Conference on “ Advanced Engineering and Technology for Sustainable Development (ICAETSD2016) on 19th and 20th February 2016 at Karpagam College of Engineering, Coimbatore