Dr.A.PARAMASIVAM

Assistant Professor/Department of EEE

B.S. Abdur Rahman Crescent Institute of Science and Technology

Publications:

Journal Papers:

1. Alagumariappan, P., Krishnamurthy, K., Kandiah, S., & Ponnuswamy, M. J. (2017). Effect of electrode contact area on the information content of the recorded electrogastrograms: An analysis based on Rényi entropy and Teager-Kaiser Energy. Polish Journal of Medical Physics and Engineering, 23(2), 37-42.

2. k. Sathishkumar, N. Vimalraj, T.S. Sivakumaran, Paramasivam Alagumariappan, Design and Fabrication of High Efficiency Squirrel Cage Induction Motor using Finite Element Method, ARPN Journal of Engineering and Applied Sciences, March 2015, Volume 10, Pages 1852-1858.

International / National Conference Papers

1. Najumnissa, D., Paramasivam, A., Bakiya A., Mohamed Syed Ali, Analysis on the effect of ECG signals while Listerning to different Genres of Music, Second International IEEE Conference on Advanced Computational and Communication Paradigms (ICACCP), 2019.

2. Paramasivam, A., Kamalanand, K., Emmanuel, C., Mahadevan, B., Sundravadivelu, K., Raman, J., Mannar Jawahar, P., Influence of Electrode Surface Area on the Fractal Dimensions of Electrogastrograms and Fractal Analysis of Normal and Abnormal Digestion Process, IEEE International Conference RTECC-'18, 279-284, 2018.

3. Alagumariappan, P.,& Krishnamurthy, K. (2018). An Approach Based on Information Theory for Selection of Systems for Efficient Recording of Electrogastrograms. In Proceedings of the International Conference on Computing and Communication Systems (pp. 463-471). Springer, Singapore.

4. Paramasivam Alagumariappan, Kamalanand Krishnamurthy, Analysis of Normal and Abnormal electrogastrograms using Teager-Kaiser Energy, International Conference on Energy and Environment, 134-136, 2017.

5. Alagumariappan, P.;Rajagopal, A.; Krishnamurthy, K. Complexity Analysis on Normal and Abnormal Electrogastrograms Using Tsallis Entropy. In Proceedings of the 3rd Int. Electron. Conf. Entropy Appl., 1–10 November 2016; Sciforum Electronic Conference Series, Vol. 3, 2016, A003; doi:3390/ecea-3-A003.

6. Sahana, A. S., Paramasivam, A., & Kamalanand, K. (2017, March). Experimental investigations on capacitive imaging of biological materials. In Biosignals, Images and Instrumentation (ICBSII), 2017 Third International Conference on (pp. 1-3). IEEE.

7. Anand, V; Narendran, R; Paramasivam, A., Mathematical Modelling of India's Population and Rice Production with Entropy Maximization, International Conference on Sustainable Energy & Environmental Sciences (SEES). Proceedings; Singapore: 28-32. Singapore: Global Science and Technology Forum. (2017)

8.V Rajini, A Paramasivam,Analyzing Wind Power Potential in Cauvery Delta Areas for Implementation of Renewable Energy based Standalone Pumping System for Irrigation, IERI Procedia, 1 January 2013; Volume 5, Pages 153-160.

International Book Chapters

1. Govindaraju, D., Nagarajan, G., &Alagumariappan, P. (2019). Assessment of Gait Disorder in Parkinson's Disease. In S. Paul, P. Bhattacharya, & A. Bit (Eds.), Early Detection of Neurological Disorders Using Machine Learning Systems(pp. 108-127). Hershey, PA: IGI Global. doi:10.4018/978-1-5225-8567-1.ch007

2. Rajagopal, A., Alagumariappan, P., & Krishnamurthy, K. (2018). Development of an Automated Decision Support System for Diagnosis of Digestive Disorders Using Electrogastrograms: An Approach Based on Empirical Mode Decomposition and K-Means Algorithm. In P. Pattnaik, A. Swetapadma, & J. Sarraf (Eds.), Expert System Techniques in Biomedical Science Practice(pp. 97-119). Hershey, PA: IGI Global. doi:10.4018/978-1-5225-5149-2.ch005.

3. Alagumariappan P., Krishnamurthy K. (2018) An Approach Based on Information Theory for Selection of Systems for Efficient Recording of Electrogastrograms. In: Mandal J., Saha G., Kandar D., Maji A. (eds) Lecture Notes in Networks and Systems, vol 24. Springer, Singapore. doi:10.1007/978-981-10-6890-4_45.

National Patents

Kamalanand, A. Paramasivam, C. Emmanuel and P. Mannar Jawahar, An Apparatus for Generation of Gastric Electric Waveforms in Normal and Abnormal Condition (Patent Application No. 201841033641 A)