Dr. KAMALRAJ SUBRAMANIAM

WORK EXPERIENCE

Total Experience: 9 Years

Associate Professor: 4 Years 1 Month, KAHE, India **Oct 2014 to Till Date**

Graduate Research Assistant: 3 Years 9 Months, Universiti of Malaysia, Malaysia **Jan 2011 – Sep 2014**

Assistant Professor: 1 Years 6 Months, Karpagam Institute of Technology, India **July 2009 - Dec 2010**

JOURNALS

1. Paulraj M P, Kamalraj Subramaniam, Sazali Bin Yaccob, Abdul Hamid Bin Adom, Hema C R, "**EEG Based Detection of Conductive and Sensorineural Hearing loss using Artificial Neural Networks**," *Journal of Next generation Information Technology*, Vol 4, Issue 3, pp. 204-212, 2013, South Korea. [ISSN: 2092-8637]

2. Paulraj M P, Kamalraj Subramaniam, Sazali Bin Yaccob, Abdul Hamid Bin Adom, Hema C R, "**Effect of Auditory Evoked Potential Response in Hearing Loss: A Review**", *Journal Of open biomedical Engineering, Vol 8, 1-9, 2014.* [ISSN: 1874-1207] **[SCI, IF: 0.9]**

3. Paulraj M P, Kamalraj Subramaniam, Hema C R, "**Classification of Hearing perception level using Auditory evoked potentials,** *Jurnal Teknologi*, Vol 77:28, pp.73-78,2015

4. Shanthi, Kamalraj S "**Design of low complexity Fault Tolerant Parallel FFTS using partial summation**" *International journal of applied engineering research*, Vol 4, pp.2955-2960,2016

5. Infant Augustine, Kamalraj Subramaniam "**LPG consumption, monitoring and Booking system** "*International journal of applied engineering research*, Vol 4, pp.3993-3998,2016

6. Sampath, Muthuraman Ramaswamy,Kamalraj Subramaniam,**" Smart Supervisory Control for Optimized Power Management System of hybrid Micro-Grid**", *International journal of applied engineering research*, Vol 11, pp.3980-3986,2016

7. Ashwathappa.P, Kamalraj Subramaniam, **Temporal Predictability Based Blind Source Separation– An Approach For Denoising EEG Signal**, *Advances in natural and applied sciences*, Vol 10, pp.15-20, 2016

8. Kamalraj Subramaniam, Sridhar, Paulraj MP" **Evoked Potentials Based Detection of Hearing Threshold Using PSO Neural Network,** *Pakistan Journal of Biotechnology*,Vol 13, pp.357-361,2016

9. Roshini, Kamalraj Subramaniam, **Magnetic Resonance Imaging: A systematic Review**, *Pakistan Journal of Biotechnology*,Vol 154, pp 7, 2016

10. M. Ashwin, S. Kamalraj, Mubarakali Azath, **Weighted Clustering Trust Model for Mobile Ad Hoc Networks,** *Wireless Personal Communication,* Vol 94, pp.2203–2212, 2017 **[SCI, IF: 2]**

11. MS. Gowtham, Kamalraj Subramaniam, **Power Aware Cross Layer Approach in Manets Using Advanced Congestion**

Control Approach, *Special Issue 18-Special Issue*, Vol 9, pp.1600-1615, 2017 **[SCI, IF:1.6]**

12. Nisheena V Iqbal, Kamalraj Subramaniam, **A Review on Upper-Limb Myoelectric Prosthetic Control,** *IETE Journal of Research* pp.1-13, 2017 **[SCI, IF:1.15]**

13. N Thamaraikannan, Kamalraj Subramaniam, **Improving Performance of MANET Using Optimized Energy Efficient Adaptive Weighted Clustering Protocol**, *Special Issue 13-Special Issue* ,Vol 9,pp.618-624 ,2017

14. Kamalraj Subramaniam Renjith V Ravi, **Image Compression and Encryption using Optimized Wavelet Filter Bank and Chaotic Algorithm**, *International Journal of Applied Engineering Research (IJAER)* ,Vol 12, pp.10595-10610,2017

15. M Ashwin, S Kamalraj, M Azath, **Multi objective trust optimization for efficient communication in wireless M learning applications**, *Cluster Computing, Springer US*, pp.1-9,2017 **[SCI, IF:1.6]**

16. Kamalraj S, Ashwin, **Clustering with Trust optimization in Manet - A Survey**, *Journal of advanced research in dynamical and control system, JARDCS* ,Vol 9,pp.1318 – 1333, 2017

17. Kamalraj Subramaniam, Renjith V Ravi, **Optimized wavelet filters and modified Huffman Encoding based Compression and Chaotic encryption for Image data**, *International Journal of Applied Engineering Research, Research India Publication*, Vol 12, pp.3961 – 3977, 2017

18. BS Divya, Kamalraj Subramaniam, HR Nanjundaswamy, **Human epithelial type-2 cell categorization using hybrid descriptor with binary tree**, *Journal of Ambient Intelligence and Humanized Computing*, pp.1-8 , 2018 **[SCI, IF:1.5]**

19. MS Gowtham, Kamalraj Subramaniam, **Congestion control and packet recovery for cross layer approach in MANET,** *Cluster Computin*g, pp.1-8, 2018 **[SCI, IF: 1.6]**

20. Kamalraj Subramaniam, Nisheena V Iqbal, **Classification of Fractal features of Uterine EMG Signal for the Prediction of Preterm Birth,** Biomedical and Pharmacology Journal, pp. 369-374, 2018

21. Nisheena V Iqbal, Kamalraj Subramaniam, **Wavelet Packet Entropy Based Control of Myoelectric Prosthesis**, Biomedical and Pharmacology Journal,pp. 375-380,2018

22. Kamalraj Subramaniam, Nisheena V Iqbal**, A review of significant researches on prediction of preterm birth using uterine electromyogram signal**, Future Generation Computer Systems, 2018. **[SCI, IF: 4.9]**

23. Lakshmi R Nair, Kamalraj Subramaniam, **An Effective Image Retrieval System Using Color, Luminance, Texture with Shape Invariants Features**, Special Issue 11-Special Issue,pp. 1030-1047,2018.

24. P Shaniba Asmi, Kamalraj Subramaniam, Nisheena V Iqbal, **Entropy Based Feature Extraction of Electrohysterogram Signal for the Prediction of Preterm Birth.** Indian Journal of Public Health Research & Development,Vol 9 ,2018

25. Nisheena V Iqbal, Kamalraj Subramaniam, P Shaniba Asmi, **Effective Control of Upper Limb Myoelectric Prosthesis**, Indian Journal of Public Health Research & Development, Vol9, 2018.

26. KN Rejith, Kamalraj Subramaniam**, Classification of Emotional States in Parkinson's Disease Patients using Machine Learning Algorithms,** Biomedical and Pharmacology Journal, pp. 333-341, 2018.

27. KN Rejith, Kamalraj Subramaniam**, Analysis of emotional states in parkinson's disease using entropy, Energy-Entropy and teager Energy-Entropy features**, Indian Journal of Public Health Research & Development, pp. 1093-1098, 2018.

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29. BS Divya, Kamalraj Subramaniam, HR Nanjundaswamy, **Human Epithelial Type-2 Cell Image Classification Using an Artificial Neural Network with Hybrid Descriptors**, *IETE Journal of Research* pp.1-13, 2018 **[SCI, IF:1.5]**

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myoelectric prosthesis, Biomedical Signal Processing and Control, 2019.

33. Balamanigandan Ramachandran, Kamalraj Subramaniam, **Secure and efficient data forwarding in untrusted cloud environment**, Cluster Computing, 2019.

34. Priyanka Parvathy, Kamalraj Subramaniam, **Rapid speedup segment analysis based feature extraction for hand gesture recognition**, Multimedia Tools and Applications, 2019.

35. N Thamaraikannan, S Kamalraj, **Utilization of compact genetic algorithm for optimal shortest path selection to improve the throughput in mobile Ad-Hoc networks,** Cluster Computing, DOI:10.1007/s11042-019-7528-1, 2019.

36. Lakshmi R Nair, Kamalraj Subramaniam, GKD Prasanna Venkatesan, **An effective image retrieval system using machine learning and fuzzy c-means clustering approach**, IEEE Transactions on Consumer Electronics, ISSN:2249 – 8958, 2019.

37. A. Mohanarathinam, Kamalraj Subramaniam, Prakash NB, Hemalakshmi GR, G.K.D.Prasanna Venkatesan, **An Image Based Encryption Algorithm for Multimedia Applications,** IEEE Transactions on Consumer Electronics, ISSN:2249 – 8958, 2019.

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44. Dr.Kamalraj subramaniam, **A Bi-spectrum Analysis of Uterine Electromyogram Signal Towards the Prediction of Preterm Birth,** Recent Trends and Advances in Artificial Intelligence and Internet of Things, 2020.

SCI- Scopus Citation Index,   IF – Impact factor (Thomson Reuters)

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2. Paulraj M P, Sazali Bin Yaccob, Abdul Hamid Bin Adom, Kamalraj Subramaniam, Hema C R, "**EEG Based Hearing Perception Level Estimation For Normal Hearing Persons,** *Proceeding of the IEEE Conference on Control, Systems and Industrial Information*, pp. 160-162, 2012, Bandung, Indonesia.

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5. Paulraj M P, Kamalraj Subramaniam, Sazali Bin Yaccob, Abdul Hamid Bin Adom, Hema C R, "**Application Specific**

Multichannel EEG Data Acquisition System For Portable Biomedical Application**,*" Proceedings of the Conference on MUCET,* pp.15-28, 2012, Perlis, Malaysia.

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7. Paulraj M P, Kamalraj Subramaniam, Sazali Bin Yaccob, Abdul Hamid Bin Adom, Hema **"EEG Based Hearing Threshold Diagnosis Using Feed-Forward Network**," *Proceedings of IEEE Conference On Intelligent Systems and Control,* pp.197-200, 2013, Tamil Nadu, India.

8. Paulraj M P, Kamalraj Subramaniam, Sazali Bin Yaccob, Abdul Hamid Bin Adom, Hema C R, **"EEG Based Hearing Perception Level Classification using Fractal Features**", *International IEEE Conference on Advanced Computing and Communicating Systems,* pp.1-4, 2014 Tamil Nadu, India.

9. Paulraj M P, Kamalraj Subramaniam, Sazali Bin Yaccob, Abdul Hamid Bin Adom, Hema C R, "**A Machine Learning Approach For Distinguishing Hearing Perception Level Using Auditory Evoked Potentials**", *IEEE EMBS conference on Bio-medical Engineering Sciences*, pp. 991-996 Malaysia.

10. Paulraj M P, Kamalraj Subramaniam, Sazali Bin Yaccob, Abdul Hamid Bin Adom, Hema C R, **"AEP based detection of hearing loss: A prototype system",** IEEE 5th control and system graduate research colloquium , pp.164-169, 2014 , Shahalam, Malaysia.

11. Kamalraj Subramaniam, Paulraj M P. Divya , "**EEG Based Hearing States Detection Using AR Modeling Techniques**", *IEEE EMBS conference on Biomedical Engineering and Sciences*, pp.513-521, 2016, Malaysia.

12. Divya, Kamalraj Subramaniam, HR Nanjundaswamy,"**Hep2 Cell Classification Using Binary Decision Tree Approach** ", *IEEE EMBS conference on Biomedical Engineering and Sciences*, pp.507-512, 2016, Malaysia.

13. Anoopa Jose Chittilappilly, Kamalraj Subramaniam, **SVM based defect detection for industrial applications**, Advanced *Computing and Communication Systems (ICACCS), 2017 4th International Conference*, pp.1-5,2017

14. S. Jayakumar*, J. Poongkothai*, G. K. D. Prasanna Venkatesan*, P. Sakthivel*, and* Kamalraj Subramaniam, "**Thermal plasma processing of spherical ZnO nano powders**", *API Conference Proceedings,* 2019.

15. V. Linga Bharath, K.Surya, P. Varatharajan, G.K.D Prasanna Venkatesan, Kamalraj Subramaniyam, **ESP Module Based Student Attendance Automation System, International Conference on Sustainable Communication Networks and Application**, 2019.

BOOK CHAPTER

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2. P. Sakthivel1, G. K. D. Prasanna Venkatesan, Kamalraj Subramaniam, and S. Jayakumar, **"Structural and optical properties of Zn0.98T0.02S (T=Mn, Cu, Ni, Co, Cr, Cd & Sn) quantum dots: A comparative study",** *API Conference Proceedings, 2019.*

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4. K. Gokul, J. Srikanth, G. Inbarasu, Kamalraj Subramaniyan, G.K.D. Prasanna Venkatesan, **"Internet of Things Based Air Pollution Monitoring and Forecasting System"**, *International Conference on Sustainable Communication Networks and Application,* 2019.