

## **Members from other University/Institutions**

### **Publications of Dr. R.RaniHemamalini – Member 1**

1. KP Indira, RR Hemamalini, R Indhumathi,” Pixel based medical image fusion techniques using discrete wavelet transform and stationary wavelet transform”,Indian Journal of Science and Technology 8 (26), 1-7,2015.
2. S Asha, DRR Hemamalini,” Synthesis of adder circuit using cartesian genetic programming”, Middle-East Journal of Scientific Research 23 (6), 1181-1186,2015
3. KP Indira, RR Hemamalini,” Evaluation of choose max and contrast based fusion rule using DWT for PET, CT images”, Indian Journal of Science and Technology 8 (16), 1-4,2015
4. KP Indira, RR Hemamalini,” Impact of co-efficient selection rules on the performance of DWT based fusion on medical images” 2015 International Conference on Robotics, Automation, Control and Embedded,2015
5. K Anbumani, R Ranihemamalini, G Pechinathan,” GWO based tuning of PID controller for a heat exchanger process, IEEE xplore,2017
6. KP Indira, RR Hemamalini, NM Nandhitha,” Performance evaluation of DWT, SWT and NSCT for fusion of PET and CT Images using different fusion rules”, Biomedical Research,2016
7. P Nirmala, RR Hemamalini,” Optimization of image denoising filters using harmony search-an experimental analysis, Middle-East Journal of Scientific Research 23, 305-308,2015
8. PGK Prince, RR Hemamalini, S Kumar,” Seizure detection by classification of EEG signals based on DWT reconstruction error and CWT using a Novel Wavelet., Biomedical Research,2015
9. K Anbumani, RR Hemamalini,” Three-Interacting Tank Controlled with Decentralized PI Controller Tuned Using Grey Wolf Optimization”, International Conference on Communication, Computing and Electronics Systems”,2020
10. P Partheeban, HP Raju, RR Hemamalini, B Shanthini,” Real-Time Vehicular Air Quality Monitoring Using Sensing Technology for Chennai”, Transportation Research, 19-28,2020
11. P Prince, R Hemamalini, U Anitha, J Premalatha, K Sudheera,” Detection of seizure using EEG Signals by Supervised Learning Algorithms”, Research Journal of Pharmacy and Technology 10 (10), 3443-3448,2017
12. PGK Prince, RR Hemamalini, S Kumar,” Epileptic seizure detection using EEG signals by means of stationary wavelet transforms”, I J C T A , 9(4), pp. 291-296 © International Science Press , 2016
13. KP Indira, RR Hemamalini, R Indhumathi,” Performance Evaluation of Gradient based PCNN for Fusion of Medical Images”, Research Journal of Pharmacy and Technology 9 (9), 1483-1487,2016
14. PD Roseline, G Thavaseelan, RR Hemamalini,” Design of Hybrid Log-MAP Algorithm for Turbo Decoding Using QPP Interleaver”, Middle-East Journal of Scientific Research 23,2015
15. K Anbumani, RR Hemamalini,” Optimal State Feedback Controller for Three Tank Cylindrical Interacting System Using Grey Wolf Algorithm”, Microprocessors and Microsystems, 103269,2020
16. K Sudha, R Rani Hemamalini,” Nonlinear process control of anaerobic sludge digester”, Journal of Statistics and Management Systems 23 (1), 103-112,2020
17. RRHBS Partheeban, P., H. Prasada Raju,” Design and Implementation of equipment for Air Quality Information Management System”, Journal of advances in information technology 9 (4), 117-122,2018
18. R Ranihemamalini, S Ashwitha, M Aarthy, A Abhineyaa,” Digital notice board implementation via power line communication”, Third International Conference on Sensing, Signal Processing, 2017

19. RRKR D.Jayahar," A Novel Power Factor Correction for AC to DC Buck-Boost Converter using Digital Signal Processor", European Journal of Scientific Research 138,2016
20. RRKR D.Jayahar," Design Implementation of Hyteresis Current Mode Controller for Buck-Boost Converter for Power Factor Correction and Harmonic Eliniation", Middle East Journal of Scientific Research, 18-26,2015
21. MKR Ranihemamalini," A Survey of the Various Techniques used in the warehouse Tracking and Management", International Journal of Scientific Research 4 (5), 16-18,2015
22. RR K.P.Indira," Performance Evaluation of NSCT and SWT Techniques in fusion of PET and CT images for Medical Applications", International Journal of Pharmacy and Technology 7 (3), 9534 - 9542,2015
23. DRRH K.P.Indira," pixel based performance evaluation of principal component analysis and entropy method for fusion of bio medical images", International journal of applied engineering research 10 (6), 5579-5583,2015