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LIST OF PUBLICATION

- [1]**Sowmy I**, Jayakumari J, An Efficient Radon Mapped Discrete Wavelet Transform Based Algorithm for MC-CDMA System. *International Journal of Enterprise Network Management*, vol. 8, no. 2, 2017, pp. 155-167.
- [2] **Sowmy I**, Jayakumari J, A Radon Mapped Discrete Wavelet Transform Based Algorithm with Channel Compensation for MC-CDMA System in Fading Channels. *International Journal Control Theory and Application*, vol. 8, no. 5, 2015, pp. 2469-2478.
- [3] **Sowmy I**, Jayakumari J, Simulation and Analysis of MC-CDMA System using Discrete Wavelet Transform. *Proc. IEEE conference on Information & Communication Technologies*, India, 2013, pp. 633-637, doi:10.1109/CICT.2013.6558305.
- [4] Fathima Shifana.J.M,Saranya,R.S.,**Sowmy.I**, Automatic lung lobes segmentation from chest, *International Journal of Research in Engineering and Bioscience*, vol. 2, no. 2, 2013, pp. 51-58.
- [5] AnsuJohnson,PreethiM.Iyer,Sona Ann Sunny,**I.Sowmy**, Near infrared hand vein image segmentation and registration for Biometrics and injection. *International Journal of Research in Engineering and Bioscience*, vol. 2, no. 2, 2013, pp. 117-125.
- [6] Shania MereenSoman,KarthikaMohanan,**I.Sowmy**, Cardiac cycle phase estimation in 2-D using support vector machine.*International Journal of Advanced Research Trends in Engineering and Technology*, vol. 2, no. 2, 2015, pp. 409-414.

- [7] Dr.S.ThamaraiSelvi, Y.Ireaneus Anna Rejani, **I. Sowmy**, Breast Cancer Detection Using MMRF. Proc. of the International Conference on Information and Automation, Srilanka,2005,pp. 127-132.

B.E. PROJECT DETAILS:

- [1] Segmentation of mammogram using wavelet based K-means algorithm(2013)
- [2] Automatic lung lobes segmentation from chest CT scans (2014)
- [3] Near infrared hand vein image segmentation and registration for biometrics and emergency injection (2014)
- [4] Cardiac cycle phase estimation in 2-D using artificial neural network(2014)
- [5] Wound image analysis classifier algorithm for efficient tracking of wound healing status (2015)
- [6] Glaucoma diagnosis using image processing technique (2015)
- [7] Dental image matching by canny algorithm for human identification(2015)
- [8] Wireless microcontroller based functional electrical stimulator for drop foot correction (2017)
- [9] Palliative care patient monitoring system (2017)
- [10] Raspberry pi based reader for blind (2018)
- [11] Microcontroller based wireless functional electrical stimulator (2018)
- [12] Head movement based automatic wheel chair for paralysed patients (2018)
- [13] Drowsiness detection system based on heart rate variability using IoT technology for health care. (2019)[Received a grant of Rs.7500/- from Tamilnadu State Council for Science and Technology]