

Publications

1. Application of Bayesian Method in Medical Image Segmentation – published in TECHNIA, International Journal of Computing Science and Communication Technologies, Vol. 2, No. 1, July 2009, (ISSN : 0974-3375). [**Citation Index : 6**]
2. An Adaptive Mean-Shift Algorithm for MRI Brain Segmentation – published in International Journal of Engineering Science and Technology (IJEST), Vol. 3, No. 7, July 2011, (ISSN : 0975-5462). [**Citation Index : 3**]
3. Topology in Medical Image Segmentation – published in International Journal of Computer Science and Communication (IJCSC) Vol. 2, No. 2, July-December 2011, (ISSN :0973-7391).
4. Segmentation of Medical Image using Clustering and Watershed Algorithms – published in American Journal of Applied Sciences Vol. 8, No.12, 2011, (ISSN 1546-9239). [**Citation Index : 43**] [**DOI:10.3844/ajassp.2011.1349.1352**] (**Anna University-Annexure II**)
5. Medical Image Segmentation using Fuzzy C-Means Clustering and Marker Controlled Watershed Algorithm – published in International Journal of Modern Engineering Research Vol. 2, No.1, 2012, (ISSN 2249-6645). [**Citation Index : 2**]
6. Segmentation of Medical Image using K-Means Clustering and Marker Controlled Watershed Algorithm – published in European Journal of Scientific Research, Vol. 71, No.2, 2012, (ISSN 1450-216X). [**Citation Index : 32**] (**Anna University-Annexure II**)
7. Medical Image Segmentation using Sequential Hybrid Topology Preserving Map – published in International Journal of Engineering Research and Industrial Applications, Vol.5, No.2, May 2012, (ISSN 0974-1518).
8. Magnetic Resonance Brain Image Segmentation –published in International Journal of VLSI design & Communication Systems, Vol.3, No.4, pp.121-133, 2012 (ISSN 0976-1527).[**DOI : 10.5121/vlsic.2012.3411**], [**Citation Index : 14**]
9. Brain Tumors: An Engineering Perspective –published in International Journal of Computer Science Issues, Vol.9, Issue 4, No.3, pp.392-396, 2012, (ISSN 1694-0814). [**Citation Index : 2**]
10. Detection of brain tumor using hybrid topology preserving map – published in International Journal of Computer Applications, Vol.51, No.20, pp.29-31, 2012, (ISSN 0975-8887). [**Citation Index : 4**]
11. Application of Topology Preserving Map in Medical Image Segmentation - published in Advances in Computational Science and Technology, Vol.5, No.3, pp.149-153, 2012, (ISSN 0973-6107).
12. An improved brain image classification technique using topology preserving map – published in Wulfenia, Vol.20, No.2, 2013, (ISSN 1561-882X).
13. Automatic lesion segmentation of multiple sclerosis in MRI images using supervised classifier, International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol. 2, No.12, 2013, (ISSN 2320 - 3765). [**Citation Index : 1**]

14. Segmentation of brain tumors using meta heuristic algorithms – published in Open Journal of Communications and Software, Vol. 1, No.1, 2014, (ISSN 2374-510X). **[DOI:10.15764/CS.2014.01001], [Citation Index : 7]**
15. An ultra-low power ECG acquisition and monitoring system for WBAN applications, International Journal of Advanced and Innovative Research, Vol. 3, No.2, 2014, (ISSN 2278-7844).
16. A survey of swarm based bio-inspired optimization algorithms for brain tumor segmentation, International Journal of Advanced and Innovative Research, Vol. 3, No.2, 2014, (ISSN 2278-7844).
17. Automatic brain tumor segmentation by variational minimax optimization technique, International Journal of Innovative Research in Sciences, Engineering and Technology, Vol. 3, No.2, 2014, (ISSN 2319 - 8753). **[Citation Index : 1]**
18. A Novel Algorithm for Detection and Classification of Brain Tumors, International Journal of Computational Intelligence and Applications, Vol. 14, No.1, 2015, (ISSN 1757-5885). **[DOI: 10.1142/S1469026815500066] (Anna University-Annexure II)**
19. Design of a PC-Based Respiration Rate and Temperature Recorder as Internet Appliance, International Journal for Scientific Research & Development, Vol. 3, No.1, 2015, (ISSN 2321-061).
20. Design of a PC-Based ECG Recorder as Internet Appliance, International Journal of Applied Engineering Research, Vol. 10, No.18, 2015, (ISSN 0973-4562). **(Anna University-Annexure II)**
21. Clown fish queuing and switching optimization algorithm for brain tumor segmentation, Biomedical Research, Vol.27, No.1, 2016, (ISSN 0970-938X) **(Anna University-Annexure I) [Citation Index : 2]**
22. Treatment of Paraplegia using Electric Current based on Weight Distribution, International Journal of Advanced and Innovative Research, Vol.5, No.3, 2016, (ISSN 2278-7844).
23. A GSM based Wearable Physiological Parameters Monitoring System, International Journal of Advanced Research in Biology Engineering Science and Technology, Vol.2, No.3, 2016, (ISSN 2395-695X). **[DOI: 10.20238/IJARBEST.2016.0203008]**
24. Wearable Epilepsy Monitor for Seizure Detection and Transfer of Data using GSM Module, International Journal for Scientific Research & Development, Vol.5, No.2, 2017, (ISSN 2321-0613).
25. An Infant Monitoring System and Automatic Cradle Swinging, International Journal for Scientific Research & Development, Vol.5, No.2, 2017, (ISSN 2321-0613).
26. Eye Vision Test using Ultrasonic Measurement via Wireless Technique, International Journal for Scientific Research & Development, Vol.5, No.4, 2017, (ISSN 2321-0613).
27. Detection of Septic Arthritis using Meta Heuristic Algorithms, Journal of Arthritis, Vol.6, No.6, 2017 (ISSN:2167-7921). **[DOI: 10.4172/2167-7921.1000259]**
28. Retrofitting the Public Transport System for Visually Impaired Users in Smart Cities, International Journal of Advanced Research in Management, Architecture, Technology and Engineering, Vol.3, No.12, 2017 (ISSN:2454-9762).

29. [Early Stage Detection of Psoriatic Arthritis Using SPECT and FDG-PET/CT](#), Journal of Arthritis, Vol.7, No.1, 2018 (ISSN:2167-7921).[DOI: 10.4172/2167-7921.1000263]
30. Wearable Device for Monitoring of slow Wave Sleep Stage of insomnia Patients, Journal of Medical and Clinical Research Reports, Vol. 1, No. 1, 2018.
31. A Novel Approach for Non-Contact Heart Rate Measurement, Biomedical & Pharmacology Journal, Vol. 12, No.3, 2019 (**Scopus Indexed**)
32. Low cost IoT based Remote Monitoring System and ECG Analysis, Journal of Computational and Theoretical Nanoscience. (**Scopus Indexed**)
33. Comparative Analysis of Power by Incorporating Flipflops in PID Controller, Journal of Electrical Engineering. (**Anna University Annexure**)
34. Preclinical Diagnosis of Asthma with GMR Sensor and RADWT, Journal of Ambient Intelligence and Humanized Computing. (**SCI & Scopus Indexed**)
35. Study of Flexor Carpi Ulnaris (FCU) Muscle Strength in Dominant and Non-dominant Hands in Various Hand Postures, International Journal of Psychosocial Rehabilitation. (**Scopus Indexed**)