

Dr. B.Aruna devi , Associate Professor , Department of Electronics and Communication Engineering , Dr.N.G.P .Institute of Technology , Coimbatore -641048

Specialization : Artificial Intelligent Systems , Image and Signal Processing Analysis ,Learning and Recognition for Assistive Computer Vision

Mobile : 9790407668

Email: arunaamurthy@gmail.com

Publications

1. **Arunadevi et al .** Advanced Analysis Scheme in Thermal Power Plant For Failure Risk And Complex Repairable System ,Journal of Critical Reviews ,Vol 7, Issue 11 , pp: 4081- 4089,2020
2. **Dr.B.Arunadevi Ms.V.Prasannadevi , Ms.S.Preethi ,** A Comprehensive Survey: Engineering Sustainable Solutions and Development ,Solid State Technology ,Volume 63,Issue 5 ,2020
3. **B.Arunadevi, V.Ashwin Venkatesh, V.Prasannadevi, S.Preethi ,** Sensor based Smart Drip Irrigation
4. System for Sustainable Agricultural Practices ,Journal of Green Engineering ,Volume-10, Issue-7, July 2020 pp: 3788–3805
5. **Ragavee. A , Rishikesh.R Dr. B. Aruna Devi ,**Portable ,Smart Bus System , Bioscience Biotechnology Research Communications ,Special Issue Vol 13 No (6) 2020 pp:104 – 108 ,2020
6. **Dr.B.Arunadevi et al. ,**Metamaterial Inspired Triple Band Antenna with Improved Isolation ,International Journal of Advanced Science and Technology ,Vol. 29 , 5 ,2020
7. **Arunthathi.C , Aravind Narayanan.R Dr. B. Aruna Devi ,**Portable RTL -SDR Based Frequency Analyzer ,Bioscience Biotechnology Research Communications ,Special Issue Vol 13 No (6) 2020 pp:96 – 103 ,2020

8. **S.Sindhu , Dr.K.Muthulakshmi and Dr.B.Arunadevi**, Crop Protection Against Animal Attacks Using Closed Loop Perimeter Guarding & Alerting ,Suraj Punj Journal for Multidisciplinary Research ,9(4),2019
9. **Ashwin Venkatesh V and Dr.B.Arunadevi**,Low Cost Design of Automated Drip Irrigation System with GSM ,International Journal of Recent Technology and Engineering (IJRTE) ,8(4),2019
10. **Arunadevi Baladhandapani et al** .Fuzzy Neural Network based Real-Time Driver Fatigue Detection and Warning System using EEG Waves. Asian Journal of Research in Social Sciences and Humanities, Asian Research Consortium.2016; 6 (5)
11. **Arunadevi Baladhandapani et al** A Region-based Approach on Segmentation of Medical Image Compression. International Journal of Printing, Packaging & Allied Sciences, EDITOR IJPAS: 2016;4(4)
12. **K.Kothavari , Dr.S.N.Deepa ,Arunadevi Baladhandapani.(2014)** A Hybrid DE-RGSO-ELM for Brain Tumor Tissue Categorization in 3D Magnetic Resonance Images , Mathematical Problems in Engineering ,Article ID 291581/<http://dx.doi.org/10.1155>
13. **Arunadevi Baladhandapani et al** ,FPGA Implementation of Novel Real Time Distributed Canny Edge Detection Algorithm ,Asian Journal of Research in Social Sciences and Humanities ,6 (5) , 813-835,2016
14. **Dr.M.A.Raja and Dr.B.Arunadevi** , Performance Comparison of Adaptive Algorithms with Improved Adaptive Filter based Based Algorithm for Speech Signals ,Asian Journal of Information Technology ,15(11), 1706-1712 ,2016
15. **Dr.S.N.Deepa and Arunadevi Baladhandapani** . Multidimensional Texture Characterization: On Analysis for Brain Tumor Tissues Using MRS&MRI. Springer Journal of Digital Imaging; 2014; 27(4)
16. **Dr.S.N.Deepa and Arunadevi Baladhandapani** . Evolutionary learning of spiking neural networks towards quantification of 3D MRI brain tumor tissues. Springer Journal of Soft Computing: 2015;19(7)