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Journal Publications

1. Sreejith Damodaran and Dr.S.Bhavani, “PIR Sensor based Motion detection using fuzzy controller” International Journal of Recent Technology and Engineering Health and Technology, Springer, Vol No 8, Issue 1S5.,pp: 232-235, 2277-3878, June 2019 (**Scopus**).
2. G.R.Mahendrababu and S.Bhavani, “Primitive cells using Gate diffusion Input technique: A low power approach” International Journal of Recent Technology and Engineering Health and Technology, Springer, Vol No 8, Issue 1S5.,pp: 257-260, 2277-3878, June 2019 (**Scopus**).
3. Satyawathi Magar and Dr.S.Bhavani,” Hybrid image compression technique using oscillation concept & quasi fractal” Health and Technology, Springer, Vol No 7, Issue 3,pp: 236-238, 2227-524X, 19th April 2019 (**SCI**).
4. J. Shafiq Mansoor, Dr.S. Bhavani and P. Sasikala, “ On Board Diagnostics (OBD) based AC Monitoring System Using Internet of Thing (IoT)” Jour of Adv Research in Dynamical & Control Systems, Special issue 15, ,pp: 730-734, November 2018.(Scopus)
5. M.Daranikumar,T.S.Aravinth and Dr.S.Bhavani,, “A Scheme for Delay Reduction in Double Tail Comparator for Low Power Applications” Jour of Adv Research in Dynamical & Control Systems, Special issue 15, ,pp: 721-725, November 2018.(Scopus)
6. T.S.Aravinth ,M.Daranikumar, and Dr.S.Bhavani,, “Design of Signal Feed-through Pulse Triggered Dual Dynamic Flip-Flop for Low Power” Jour of Adv Research in Dynamical & Control Systems, Special issue 15, ,pp: 714-720, November 2018.(Scopus)
7. Satyawathi Magar and Dr.S.Bhavani,” Optimization before biomedical image compression using CLAHE and DCS” International journal of Engineering & Technology, Vol No 7, Issue 3,pp: 236-238, 2227-524X, September 2018 (Scopus)

8. Deepaliparag Adhyapak Sridharan Bhavani, "Combination of grid and force based sensor deployment method for wireless sensor network" Sensor Letters, American scientific publishers, Vol 16, Issue 6 pp 472-477, ISSN: 1546-1971, <http://doi.org/10.11591/ijeecs.v10.i3.pp1287-1295>, June 2018(Scopus)
9. Deepaliparag Adhyapak Sridharan Bhavani, "Fuzzy Clustered Ant based Cross Layered Wireless Multimedia Sensor Network for Quality of Service Parameter" Sensor Letters, American scientific publishers, Vol 16, Issue 16 pp 368-373, ISSN: 1546-1971, <http://doi.org/10.11591/ijeecs.v10.i3.pp1287-1295>, June 2018(Scopus)
10. Deepaliparag Adhyapak Sridharan Bhavani, "Ant based cross layered optimization protocol for WMSN with fuzzy clustering" Indonesian journal of electrical Engineering and computer science, Vol 10, Issue 1 pp 295-301, 2018(Scopus)
11. Deepaliparag Adhyapak Sridharan Bhavani, "Swarm based cross layer optimization protocol for WMSN" Indonesian journal of electrical Engineering and computer science, Vol 10, Issue 1 pp 302-308, 2018 (Scopus)
12. Deepaliparag Adhyapak Sridharan Bhavani, "Grid & Force Based Sensor Deployment Methods in WSN Using PSO" Indonesian journal of electrical Engineering and computer science, Vol 10, Issue 1 pp 271-279, 2018(Scopus).
13. Dr.S.Bhavani, P.Ligisha," Pelvic bone fracture detection using BPNN Journal of Advanced Research in Dynamical and Control systems" special issues on recent trends in engineering and managerial excellence 69-74 volume : issue: 03 May 2017(Scopus).
14. Dr.S.Bhavani N.Suresh kumar "Design and development of fuzzy based reliable scheme for energy efficiency in MANET", ARPN Journal of Engineering and Applied Sciences Vol12 NO.9 May 2017(Scopus)
15. Dr.S.Bhavani N.Suresh kumar "RERMRS: residual Energy based reliable multipath routing scheme for increasing network life time in MANET" International journal applied engineering research Vol12 NO.9 May 2017(Scopus)
16. Dr.S.Bhavani Mr. Mahesh Navale "Comparative Analysis of Vertical Handover Algorithms," International journal applied engineering research Vol13 NO.6, pp. 4583-4587, June 2017(Peer reviewed).

17. K. Somu S. Bhavani "A Survey Of Network Partition-Based On QOS Improvement In MANETS" Pak. J. Biotechnol. Vol.14 (Special Issue II) Pp. 173- 177 (2017) Aug 2017(Scopus)
18. Keerthiga Devi Bhavani, S. "Design And Testability Of Z-Ternary Content Addressable Memory Logic" Pak. J. Biotechnol. Vol. 14 (Special Issue II) Pp. 169-173 (2017) Aug 2017(Scopus)
19. K.Somu , Dr.S.Bhavani "Density Based Real Time Partition Avoidance Mechanism For QOS Development In Manet Using Region Proximity Technique" Jour of Adv Research in Dynamical & Control Systems, 14-Special Issue Aug 2017. (Scopus)
20. S.Arunrajan, **Dr.S.Bhavani**, "Optimal and Reliable Routing in Cooperative Communication based Wireless Sensor Network Environment with Collision Avoidance", Jour Of Adv Research In Dynamical & Control Systems, pp.: 303-313,2017,14-Special Issue, Aug 2017(Scopus).
21. K.Somu, **Dr.S.Bhavani**, "Density based real time partition avoidance mechanism for qos development in manet using region proximity technique", Jour of Adv Research in Dynamical & Control Systems, pp No: 52-62,Special issue 14, August 2017. (Scopus)
22. K.Somu, **Dr.S.Bhavani**, "Time to Live Based Network Partition Using Adaptive Time Synchronization in Mobile AdHoc Networks", International Journal of Pure and Applied Mathematics, pp No: 593-603,Vol 116, Issue No:21 -Special Issue, October 2017. (Scopus)
23. Mr.N.A.Natraj, **S.Bhavani**, "A CERTAIN INVESTIGATION ON SECURE LOCALIZATION ROUTING PROTOCOL FOR WSN", Journal of Theoretical and Applied Information Technology, Vol.No 95 (22), Pp. 6022-6031, November 2017. (Scopus)
24. Ms.SreelajaUniithan, **S.Bhavani**, "Cross layer enhanced mobile routing for Maximizing stability in MANET", International Journal of Control theory and applications, Vol.No 10 (20), Pp. 153-169, November 2017. (Scopus)
25. Ms.Vijitha,,**S.Bhavani**, "Connection termination period based secure Warm hole detection scheme in MANET", International Journal of Control theory and applications, Vol.No 10 (19), Pp. 207-220,November 2017. (Scopus)
26. Ms.SreelajaUniithan, **S.Bhavani**, " RCMDCR-Resource managing checkpoint and selfish detection with cluster routing in ADHOC Network", International Journal of Pure and applied Mathematics, Vol.No 114 (7), Pp. 663-673, September 2017(Scopus)

27. Ms.Vijitha, **S.Bhavani**, “WNTFLEP-Worm Node Detection With Two Fish Algorithm Based Secure Routing And Link Expiry Prediction”, International Journal of Pure and applied Mathematics, Vol.No 114 (7), Pp. 675-685, September 2017..(Scopus)
28. N.A.Natraj and **Dr.S.Bhavani**, “SSMDGS: SCHEDULING BASED STABLE MULTICAST DATA GATHERING SCHEME FOR WSN”, ARPN Journal of Engineering and Applied Sciences, Vol 24, Issue No: 12, Dec 2017.(Scopus)
29. Mahesh Navale and Dr.S.Bhavani, “Simulation of Vertical Handover Algorithm for Seamless Connectivity using Advanced Cuckoo Search Algorithm,”, International Journal of Applied Engineering Research, Vol 12, Issue No: 18, pp 7897-7901 Dec 2017.(Scopus)
30. Syed Jamesha and **Dr.S.Bhavani** A secure and efficient cluster based location aware routing protocol in MANET, Cluster Computing The Journal of Networks, Software Tools and Applications doi.org/10.1007/s10586-018-1703-4 January 2018(**SCI**).
31. Dr. S.Bhavani, K.G.Dharani“ Design of Nanoscale memristive arrays for memory applications , Advances in Natural and applied Sciences, vol.no 24(3), pp. 328-331, June 2016.(Scopus)
32. Satyawathi Magar and Dr.S.Bhavani,” Innovative approach to biomedical image compression using oscillation concept,,pp: 124-128, September 2016 (**IEEE Explorer-SCI**).
33. Dr. S.Bhavani, Saniya Ansari “ Devanagari handwritten word recognition using efficient and fast feed Forward neural network classifier International journal of advanced research , vol.no 4(10), pp. 2034-2043, October 2016.(Scopus)
34. Dr. S.Bhavani, Ligisha.P“ A survey on pelvic bone fracture detection, International journal of research in engineering and technology , vol.no 5(22), pp. 19-22, October 2016.(Scopus)
35. Dr. S.Bhavani, Babu.P“ A Novel Control Strategy For Modified SL - QZSI With Three Phase AC Grid Connected System , International journal of Control Theory and Applications , vol.no 9(31), pp. 219-230, October 2016.(Scopus)
36. Dr. S.Bhavani K.R.Joy“ Improving Performance of IQA Algorithm: A Simplified Approach SSIM based on Image Gradients Indian Journal of Science and Technology, Vol 9(46), pp. 1-6, December 2016.(Scopus)