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Publications

Journals

1. **L.Bhagyalakshmi**, K.Murugan, *Avoiding Energy Holes Problem using Load Balancing Approach in Wireless Sensor Network*, KSII Transaction on Internet and Information Systems, Vol 8 , No. 5, pp. 1618- 1637, 2014. (SCI)
2. **L.Bhagyalakshmi**, K.Murugan, *Extending Network Lifetime by Balancing Energy Consumption to Avoid Energy Hole Problem in WSN*, International Review on Computers and Software (IRECOS), Vol 9, No 3, pp. 485 – 498, 2014. (SCI)
3. **L.Bhagyalakshmi**, K.Murugan, *Energy Balancing Zone Based Cluster head approach to avoid energy hole problem in Wireless Sensor Network*, International Journal Information and Communication Technology, Inderscience, Vol 8, Nos. 2/3, pp.no 263 – 282, 2016. (SCI)
4. Sanjay Kumar Suman, Dhananjeyan Kumar, **L.Bhagyalakshmi**, *Non Cooperative Power Control Game with New Pricing for Wireless Ad hoc Networks*, International Review on Computers and Software, vol. 9, no. 2, pp. 18-28, 2014.(SCI)
5. Sanjay Kumar Suman, Dhananjey Kumar, **L.Bhagyalakshmi**, *SINR pricing in non-cooperative power control game for wireless ad hoc network*, KSII Transactions on Internet and Information Systems, vol. 8, no. 7, pp 2281-2301, 2014.(SCI)
6. Bandana Kumari, **L. Bhagyalakshmi** and Sanjay Kumar Suman, “*Component Analysis Based Facial Expression Recognition*”, International Journal of Computer Applications in Engineering Sciences, vol. 3, special issue, 2013.
7. Sanjay Kumar Suman, **L. Bhagyalakshmi** and Dhananjay Kumar, “*Review of Power Control Problem in Wireless Ad Hoc Networks in Game Theoretic Perspective*”, International Journal of Advance Research in Computer Science and Software Engineering (IJARCSSE), vol. 4, issue 2, pp. 589-593, 2014.
8. S.Porselvi, Sanjay Kumar Suman **L.Bhagyalakshmi**, *Harvesting RF energy for mobile charging*, Australian Journal of Basic and Applied Science, Vol 9, no 20, pp. 454-465, 2015. (SCI)

9. S. Nitharsana, Nisha, **L. Bhagyalakshmi**, *Implementation Smart Traffic Control System for Congestion Management*, International Journal of Scientific Research in Science and Technology, Vol 2, Issue no 2, pp. no 185 – 19, 2016.
10. R. Swetha Sri, S. Porselvi, **L. Bhagyalakshmi**, Sanjay Kumar Suman, “*Application of Li-Fi Networks in patients monitoring system*”, International Journal for science and research Technology”, vol. 2, no. 12, pp.216-221,2016.
11. Porselvi S., **Bhagyalakshmi L.** and Sanjay Kumar Suman, “*Healthcare Monitoring System using Li-Fi System*”, Asian journal of pharmaceutical & clinical research, Innovate academics, vol. 5, issue 2, pp. 1-4, 2017.
12. Vinay Srivatsan, Sanjay Kumar Suman, **L. Bhagyalakshmi** and S. Porselvi, “*Non Radiative Wireless Power Transfer*”, Journal of Advances in Natural and Applied Science, vol. 10, issue 16, pp. 147-153, Nov. 2016. (SCI)
13. Vaibhavi A, **Bhagyalakshmi L**, Porselvi S, and Sanjay Kumar Suman, “*Review of Detecting Diabetes Mellitus and Diabetic Retinopathy using Tongue Images and Its Features*”, Research Journal of Pharmaceutical, Biological and Chemical Sciences vol. 8, issue 2, pp. 378-386, March 2017.
14. Brinda K, **Bhagyalakshmi L**, *A Node Monitoring System using Task Management and Data Advertisement Protocol in WSN*, International Journal of Advanced Research in Electrical, Electronics, and Instrumentation Engineering, Vol 6, issue 3, pp. 1 – 6, March 2017.
15. S. Jayakumar, **L. Bhagyalakshmi**, Sanjay Kumar Suman and S. Porselvi, “*A Survey on GSM based Automation Cum Surveillance System using DTMF Technology*”, International Journal of Scientific Research in Science and Technology, vol. 3, issue 1, pp. 560-566, Feb 2017.
16. S.Kavipriya, S. Porselvi, **L. Bhagyalakshmi** and Sanjay Kumar Suman, “*Li-Fi: The Power of Visible Light in Data Communication*”, IJSART, vol. 3, issue 3, pp. 1050-1054, March 2017.
17. Sanjay Kumar Suman, **L. Bhagyalakshmi** and S. Porselvi, “*Light Wave Modulation Schemes for Visible Light Communication*”, IJSART, vol. 3, issue 3, pp. 1055-1059, March 2017.
18. **C. Raghavi**, S. Porselvi, **L. Bhagyalakshmi**, Sanjay Kumar Suman, “*Optical OFDM for Broadband Communication*”, IJSART, vol. 4, issue 3, April 2017.
19. Priyanka S. Jain, A. Sanjay, S. Porselvi, **L. Bhagyalakshmi**, Sanjay Kumar Suman, “*Safe Bike Driving with Anti Theft Mechanism*”, IJSART, vol. 3, issue 4, March 2017.

20. Sanjay Kumar Suman, **L. Bhagyalakshmi** and A. Athifshah, “ *Food Bank using Internet of Things*” International Journal of Advance Research and Innovative Ideas in Education, vol. 4, issue 1, pp. 866-871, 2018.
21. Shanmugapriya R, Swetha R, **Bhagyalakshmi L**, and Sanjay Kumar Suman, “*Agricultural Robotics*”, International Journal of Latest Trends in Engineering and Technology Special issue, pp. 24-30, 2018
22. *Swetha R, Subhasree A, **L. Bhagyalakshmi** and Sanjay Kumar Suman, “*Haptic Technology and Their Traces in Various Applications*”, International Journal of Latest Trends in Engineering and Technology Special issue, pp. 75-81, 2018.
23. Subhasree A, Sanmugapriya R, Sanjay Kumar Suman and **Bhagyalakshmi L**, “*Application of Heliotherapy in the Treatment of Acne Vulgaris and Jaundice*”, International Journal of Latest Trends in Engineering and Technology Special issue, pp. 81-85, 2018.
24. Nirmal Kumar, K. Premika, **L. Bhagyalakshmi** and Sanjay Kumar Suman, “Smart Traffic Rescuer using IOT”, Journal of Chemical and Pharmaceutical Science, special issue 8, pp. 215-219, 2017.
25. Sujeetha Devi, **Bhagyalakshmi L** and Sanjay Kumar Suman, “Cluster based energy efficient joint routing algorithm for delay minimization in wireless sensor networks”, International Journal of Pure and Applied Mathematics, vol. 119, no. 15, 307-313, 2018.
26. K. Swapna, Sanjay Kumar Suman, L.Bhagyalakshmi, “*Game Theoretical Approach for Anonymous Secure Routing in MANET*”, International Journal of Applied Engineering Research, Vol 10, no 8, pp. 20823 – 20836, 2015 (SCI).
27. Sujeetha devi T, Bhagyalakshmi L, Sanjay kumar suman, “*Enhancing the peroformance of Wireless Sensor Networks through Clustering and Joint Routing with Mobile Sink*”, International Journal of Engineering and Advance Technology (IJEAT), Vol 8, issue 6, August, 2019
28. Bhagyalakshmi L, K. Ravikumar, Sanjay kumar suman, P.Nageswara Rao, “*Implementation of Floating point FFT using Parallel Prefix Multiplier for fast operation*”, Journal of Applied Science and Communication, ISSN no 1076 5131, Vol VI, issue IV, April, 2019

Journals (Under Review/Under Progress)

1. Sujeetha Devi, L. Bhagyalakshmi and Sanjay Kumar Suman, “*Resource allocation and joint routing with isolated nodes using cognitive radio wireless sensor networks*”, Wireless Networks, Springer (UNDER REVISION).

2. Sanjay Kumar Suman, L. Bhagyalakshmi, Madhupreetha and M. Pranshanthi, “A review of combined technology to improve spectral efficiency and coverage capacity in 5G network”. ICTACT Journal on Communication Technology.
3. Sanjay Kumar Suman, L. Bhagyalakshmi, S. Porselvi and Vinay Srivatsan “A Non-Radiative approach for Wireless power transmission”, Applied Computational Electromagnetics Society.

International Conferences

1. **L.Bhagyalakshmi**, K.Murugan,Sanjay Kumar Suman,*Corona based clustering with mixed routing and data aggregation to avoid energy hole problem in wireless sensor network*, in proceeding of IEEE International conference on Advance Computing (ICoAC-2012, MIT Chennai), Dec. 2012.
2. Sanjay Kumar Suman, K. Murugan, **L.Bhagyalakshmi**,*Non cooperative power control game for wireless ad hoc networks*, in proceeding of IEEE International Conference on Advance Computing (ICoAC-2012, MIT Chennai), Dec. 2012. (Available online IEEE Xplore)
3. Sanjay Kumar Suman, Dhananjey Kumar, **L.Bhagyalakshmi**, *Game Theoretical Approach for Improving Throughput Capacity in Wireless Ad Hoc Networks*, in proceedings of International Conference on Recent Trends in Information Technology (ICRTIT 2014, MIT Chennai), 10-12 April 2014. (Available online IEEE Xplore).
4. Abhishek, Bharatwaj, L.Bhagyalakshmi, “Agriculture marketing using Web and mobile based Technologies”, in proceeding of IEEE Conference TIAR on 15th and 16th July, EEC, Chennai, 2016.IEEE xplere
5. Meenakshi V, **Bhagyalakshmi L**, Sanjay Kumar Suman and S. Porselvi,*Electronic Interpretation Device*, in proceeding of ICETECT, Saveetha University, Chennai, 31 March 2017.
6. Priyanka Jain, Sanjay Kumar Suman, **L. Bhagyalakshmi** and S. Porselvi, *Smart Vehicle Security System*, in proceeding of ICETECT, Saveetha University, Chennai, 31 March 2017.
7. Nirmal Kumar, Pravalika, **Bhagyalakshmi. L**, Smart Traffic Management using IoT, in Proc of International Conference on Science and Innovative Engineering on 2nd April 2017, Jawahar Engineering College, Chennai.

8. Lavanya M, Sanjay Kumar Suman and **L. Bhagyalakshmi**, “RF Harvesting and Its Applications in Low Power Devices”, in Proceeding of sixth IEEE International conference on advance computing, ICoAC’14, MIT, Chennai, 2014.
9. Sujeetha Devi, **Bhagyalakshmi L** and Sanjay Kumar Suman, “Cognitive Radio based Resource Allocation and Joint Routing with Various Topologies in WSN”, IEEE International Conference on Photonics & High Speed Optical Networks, ICPHON 18, IEEE Photonic Society, Madras Chapter IEEE, SA Engineering College, April 2018. IEEE Xplore
10. Madhupreetha V, Prasanthi M, Sanjay Kumar Suman and **Bhagyalakshmi L**, “An Integrated Approach to Improve Spectral Efficiency and Coverage Capacity of 5G Networks”, in Proceeding of International Conference on Information, Communication and Automation, ICICA 18, LIT, 2018, pp. 129-134.
11. Sujeetha Devi, **Bhagyalakshmi L** and Sanjay Kumar Suman, “Cognitive Radio based Routing in WSN”, International Conference for Scientific Research and Development, Indira Gandhi College of Engineering and Technology for Women, Chengalpet, March 2018.
12. Sujeetha Devi, **Bhagyalakshmi L** and Sanjay Kumar Suman, “Cluster based Joint Routing with Mobile Sink in WSN”, International Conference on Advance Scientific Innovation in Science Engineering and Technology (ICASISSET – 2018), BharathInstituteof Higher Education and Research, Chennai, April 2018.
13. **Bhagyalakshmi.L**, ShanmugaPriya P, Sujeetha Devi T, Sanjay Kumar Suman, “Maximizing the Lifetime of sensor nodes using Cognitive based Joint Routing” in International Conference on Electrical Sciences(ICES 2018), Sastra University August 10-11, 2018.
14. **Asha S., Bhagyalakshmi. L**, “Minimization of Energy Consumption in Wireless Multimedia Sensor Networks” in International Conference on Trends in Engineering and Technology (ICTET 2019), April 7, 2019. ISBN 13:978-1093136500.
15. **NizuShahain. J, Moulika V, Bhagyalakshmi.L**, “ Performance investigation of Cooperative Diversity Techniques for 5G Wireless Networks” in 1st IEEE international conference on Energy, Systems and Information Processing (ICESIP 2019) July 4-6, 2019, Indian Institute of Information Technology, Design and ManufacturingKancheepuram, Chennai.

National Conference

1. S. Jayakumar, **L. Bhagyalakshmi**, Sanjay Kumar Suman and S. Porselvi, Automation and Surveillance System using GSMDTMF Technology in proceeding of National Conference on Recent Trends in the Development of Smart Cities (NCRTDSC'17), Rajalakshmi Institute of Technology, Chennai, 3-4 March 2017.
2. **L.Bhagyalakshmi**, Naveen Kumar, Non audible murmur using speech, 5th National Conference on Information, Communication& Networking (NCICN-2014)on 4th April 2014.
3. **L.Bhagyalakshmi**, Krishna Kumar. MReal time lung function assessment with remote monitoring, 5th National Conference on Information, Communication& Networking (NCICN-2014)on 4th April 2014.