

Dr.K.Suganthi

Assistant Professor(Sr.)

School of Electronics Engineering

VIT University, Chennai.

suganthi.kamal@gmail.com**Publication****Journal**

1. Thyagarajan, J., Kulanthaivelu, Suganthi. **A joint hybrid corona based opportunistic routing design with quasi mobile sink for IoT based wireless sensor network.** J Ambient Intell Human Comput (2020). <https://doi.org/10.1007/s12652-020-02116-6>
2. Saranya Nair M, Suganthi K. **A Comprehensive Study on Communication Architectures, Applications, Challenges And Protocol Stack Of Underwater Acoustic Wireless Sensor Networks.** JCR. 2020; 7(19): 6699-6712. doi:10.31838/jcr.07.19.771
3. Paper presented in International Conference on Sustainable Computing in Science, Technology and Management (SUSCOM-2019) to be held in Amity University Rajasthan during February 26-28, 2019," **A Combined Approach of Retinex & Spatial Kernel Fuzzy C-Means Clustering for Detection of Oil Spills in Satellite Imagery**", Dr.K.Suganthi and Syed Zaheeruddin
4. Paper published in Far East Journal of Electronics and Communications ,Volume 17,Number 6, June 2017, " **Distributed Balanced Data Aggregation Using Map-Reducing Approach In Wireless Sensor Network**", Dr.K.Suganthi, Dr.B.Vinayaga Sundaram
5. Paper published in ARPJ Journal of Engineering and Applied Sciences,Volume 12,June 2017,Titled, "**GA-based optimal positioning of mobile sink in Wireless sensor network**", Dr.K.Suganthi, Dr.B.Vinayaga Sundaram
6. Paper published in Computer and Electrical Engineering Elsevier Journal (**Impact Factor: 0.9**), Volume 48, November 2015, Pages 286–297, Titled "**Randomized Fault Tolerant Virtual Backbone Tree to Improve the Network Lifetime of Wireless Sensor Network**" K.Suganthi, Dr.B.Vinayaga Sundaram, J.Aarthi

7. Paper published in International Journal of Engineering Research & Technology (IJERT), Vol. 2 Issue 8, August - 2013 , titled “**Cluster Based Beaconless Voting Algorithm for Wireless Sensor Networks**” Gayathri.R and K. Suganthi
8. Paper published in National conference NCMEC '06, titled “Qos model for web server-Applying new feedback real time scheduling”
9. Paper published in National conference on Mobile and Pervasive Computing [CoMPC– Jan 2010], titled “A novel energy efficient fault tolerant approach in wireless sensor network”.
10. Paper published in proceedings of Springer (LNCS) in Communications in Computer and Information Science (CCIS) Series of Advances in Networks and Communications Part II, First International Conference on Computer Science and Information Technology, CCSIT 2011, January 2-4, 2011, Titled “**Improving Energy Efficiency in Wireless Sensor Network Using Mobile Sink**” K. Deepak Samuel, S. Murali Krishnan, K. Yashwant Reddy and **K. Suganthi**
11. Paper published in CiiT International Journal of Wireless Communication April 2011, DOI: WC042011015, titled “**Energy Efficient Event Tracking in Wireless Sensor Networks**” S. Kamal, Subha.U and **K. Suganthi**
12. Paper published in IEEE-International Conference on Recent Trends in Information Technology, ICRTIT 2011, Titled” **Improving Energy Efficiency and Reliability using multiple mobile sinks and hierarchical clustering in Wireless Sensor Networks** “ **K.Suganthi** , Dr.B.Vinayaga Sundaram ,K.S.Vishwa Kumar, J.Syed Ashim,S.Saravana Kumar
13. Paper published in Fourth International Conference on Advanced Computing(ICoAC 2012) ,Titled,”**A Constraint Based Relay Node Deployment In Heterogeneous Wireless Sensor Networks For Lifetime Maximization**”,**K.Suganthi**, Dr.B.Vinayaga Sundaram.
14. Paper published in International Conference on Next Generation Computing and Communication Technologies 2014 (ICNGCCT '14),, Dubai, UAE 23rd and 24th April, Titled,” **Fault Tolerant Virtual Backbone Tree for Increasing the Network Lifetime of Wireless Sensor Network**”, **K.Suganthi**, Dr.B.Vinayaga Sundaram,J.Aarthi

15. Paper published proceedings of 8th national conference on trends in engineering applications and management (ncteam '16) march 26, 2016, Titled, "**Congestion Control in Wireless Sensor Networks by Rerouting the Path**", K. Suganthi, K. Banupriya.
16. Paper published in CiiT International Journal of Wireless Communication April 2016, titled "**Congestion Control In Wireless Sensor Networks Using Supervised Learning Method**," **K. Suganthi and K. Banupriya**

Book Chapter Publication

1. Springer (LNCS) in Communications in Computer and Information Science (CCIS) Series of Advances in Networks and Communications Part II, 2011, "**Improving Energy Efficiency in Wireless Sensor Network Using Mobile Sink**"