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**Area of Interest:** VLSI Design, Wireless Sensor Networks

**List of Publications**

1. C. Thiruvengadam, M. Palanivelan, K. Senthil Kumar and T. Jayasankar, “Low power approximate adder based repetitive iteration cord (LP-ARICO) algorithm for high speed applications”, Microprocessors and Microsystems, vol. 78, no. , pp. 1-10, October 2020. ISSN: 01419331, IF: 1.161, DOI: [10.1016/j.micpro.2020.103260](https://doi.org/10.1016/j.micpro.2020.103260)
2. K. Senthil Kumar and R. Amutha, “Lifetime maximization with guaranteed minimum end-to-end energy consumption scheme for virtual multiple-input-multiple-output in wireless sensor networks”, Australian Journal of Electrical and Electronics Engineering, vol. 16, no. 4, pp. 357-368, October 2019. DOI: [10.1080/1448837X.2019.1676088](https://doi.org/10.1080/1448837X.2019.1676088)
3. K. Senthil Kumar and R. Amutha, “Energy efficient cooperative communication in wireless sensor network using turbo codes”, Australian Journal of Electrical and Electronics Engineering, vol.12, no. 4, pp. 293-300, November 2015. DOI: [10.1080/1448837X.2015.1092919](https://doi.org/10.1080/1448837X.2015.1092919), ISSN: 1448-837x
4. M. Kanthimathi, R. Amutha and K. Senthil Kumar, “Energy efficiency analysis of differential cooperative algorithm in wireless sensor network”, Cluster Computing, vol. 22, no. 4, pp. 9837-9845, July 2019. ISSN: 13867857, IF: 3.458, DOI: [10.1007/s10586-017-1688-](https://doi.org/10.1007/s10586-017-1688-)
5. M. Kanthimathi, R. Amutha and K. Senthil Kumar, “Energy efficient differential cooperative MIMO algorithm for wireless sensor network”, Wireless Personal Communications, vol. 103, no. 4, pp. 2715-2728, December 2018. ISSN: 09296212, IF: 1.061, DOI: [10.1007/s11277-018-5957-1](https://doi.org/10.1007/s11277-018-5957-1)
6. K. Senthil Kumar, R. Amutha, M. Palanivelan et al., “Receive diversity based rate optimization for improved network lifetime and delay efficiency of wireless body area networks”, PLoS One, vol. , no. , pp. 1-20, October 2018. Publisher: Public Library Science ISSN: 1932-6203, DOI: [10.1371/journal.pone.0206027](https://doi.org/10.1371/journal.pone.0206027)