

List of publications

- [1] P. R. Gautam, S. Kumar, A. Verma, T. Rashid, and A. Kumar, “Energy-efficient localization of sensor nodes in wsns using beacons from rotating directional antenna,” *IEEE Transactions on Industrial Informatics*, 2019.
- [2] A. Verma, T. Rashid, P. R. Gautam, S. Kumar, and A. Kumar, “Cost and sub-epoch based stable energy-efficient clustering algorithm for heterogeneous wireless sensor networks,” *Wireless Personal Communications*, pp. 1–15, 2019.
- [3] M. Yadav, P. R. Gautam, V. Shokeen, and P. K. Singhal, “Modern fisher–yates shuffling based random interleaver design for scfdma-idma systems,” *Wireless Personal Communications*, vol. 97, no. 1, pp. 63–73, 2017.
- [4] S. Kumar, P. R. Gautam, T. Rashid, A. Verma, and A. Kumar, “Etdcc: Energy-efficient transmission scheme for dynamic climatic conditions in wsn,” *TELKOMNIKA (Telecommunication Computing Electronics and Control)*, vol. 16, no. 3, pp. 1126–1134, 2018.
- [5] T. Rashid, S. Kumar, A. Verma, P. R. Gautam, and A. Kumar, “Pm-eemrp: postural movement based energy efficient multi-hop routing protocol for intra wireless body sensor network (intra-wbsn),” *TELKOMNIKA*, vol. 16, no. 1, pp. 166–173, 2018.
- [6] S. Kumar, A. Verma, P. R. Gautam, A. Dayal, and A. Kumar, “The load balancing of optimizing leach clustering algorithm with mobile sink and rendezvous nodes,” in *2018 5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON)*. IEEE, 2018, pp. 1–6.
- [7] A. Kumar, S. Kumar, P. R. Gautam, A. Verma, and T. Rashid, “Performance evaluation of multi-operands floating-point adder,” in *Recent Trends in Communication, Computing, and Electronics*. Springer, 2019, pp. 537–546.
- [8] S. Roy, P. R. Gautam, and M. Yadav, “Qrs complex detection and filtering of ecg signal using wavelet transform,” *International Journal of Computer Engineering and Applications*, vol. X, march 2017.
- [9] R. Singh, P. R. Gautam, and A. Sharma, “Energy efficient design of multiplexer using adiabatic logic,” *Int. Journal of Electrical & Electronics Engg*, vol. 2, pp. 104–107, 2014.
- [10] A. Verma, T. Rashid, P. R. Gautam, S. Kumar, and A. Kumar, “Fuzzy based stable clustering protocol for heterogeneous wireless sensor networks,” *International Journal of Engineering & Technology*, vol. 9, no. 4, pp. 2854–2860, 2017.
- [11] T. Rashid, S. Kumar, A. Verma, P. R. Gautam, and A. Kumar, “Rb-iemrp: Relay based improved throughput energy-efficient multi-hop routing protocol for intra body sensor network (intra-wbsn),” *International Journal of Computer Networks & Communications (IJCNC)*, vol. 11, no. 2, 2019.