List of publications

Journals

[*J*1] **P. R. Gautam**, S. Kumar, A. Verma, T. Rashid, *et al.*, "Energy-efficient localization of sensor nodes in WSNs using beacons from rotating directional antenna," *IEEE Transactions on Industrial Informatics*, vol. 15, no. 11, pp. 5827–5836, Nov. 2019. DOI: 10.1109/tii.2019.2908437 issn 1551-3203 **Impact Factor: 12.3** **SCIE, Q1**

[*J*2] **P. R. Gautam**, S. Kumar, A. Verma, and A. Kumar, "Energy-efficient localization of sensor nodes in wsns using single beacon node," *IET Communications*, vol. 14, no. 9, pp. 1459–1466, 2020. DOI: 10.1049/iet-com.2019.1298 issn 1751-8628 **Impact Factor: 1.6** **SCIE, Q2**

[*J*3] A. Verma, S. Kumar, **P. R. Gautam**, and A. Kumar, "Fuzzy logic based effective clustering of homogeneous wireless sensor networks for mobile sink," *IEEE Sensors Journal*, vol. 20, no. 10, pp. 5615–5623, May 2020. DOI: 10.1109/jsen.2020.2969697 issn 1530-437X **Impact Factor: 4.3** **SCIE, Q1**

[*J*4] A. Verma, S. Kumar, **P. R. Gautam**, and A. Kumar, "Neural-fuzzy based effective clustering for large-scale wireless sensor networks with mobile sink," *Peer-to-Peer Networking and Applications*, Jun. 2021. DOI: 10.1007/s12083-021-01167-6 issn 1936-6450 **Impact Factor: 4.2** **SCIE, Q2**

[*J*5] A. Verma, S. Kumar, **P. R. Gautam**, T. Rashid, *et al.*, "Broadcast and reliable coverage based efficient recursive routing in large-scale wsns," *Telecommunication Systems*, vol. 75, no. 1, pp. 63–78, Jun. 2020. DOI: 10.1007/s11235-020-00679-5 issn 1572-9451 **Impact Factor: 2.5** **SCIE, Q2**

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[*J*7] A. Verma, T. Rashid, **P. R. Gautam**, S. Kumar, *et al.*, "Cost and sub-epoch based stable energy-efficient clustering algorithm for heterogeneous wireless sensor networks," *Wireless Personal Communications*, vol. 107, no. 4, pp. 1865–1879, Apr. 2019. DOI: 10.1007/s11277-019-06362-6 issn 0929-6212 **Impact Factor: 2.2** **SCIE, Q2**

[*J*8] T. Rashid, S. Kumar, A. Verma, **P. R. Gautam**, *et al.*, "Co-reerp: Cooperative reliable and energy efficient routing protocol for intra body sensor network (intra-wbsn)," *Wireless Personal Communications*, vol. 114, no. 2, pp. 927–948, Apr. 2020. DOI: 10.1007/s11277-020-07401-3 issn 0929-6212 **Impact Factor: 2.2** **SCIE, Q2**

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[*J*13] Shilpi, **P. R. Gautam**, S. Kumar, and A. Kumar, "An optimized sensor node localization approach for wireless sensor networks using rssi," *The Journal of Supercomputing*, vol. 79, pp. 7692–7716, 2022. DOI: https://doi.org/10.1007/s11227-022-04971-w issn 0920-8542 **Impact Factor: 3.3** **SCIE, Q2**

[*J*14] A. Verma, S. Kumar, **P. R. Gautam**, T. Rashid, *et al.*, "Enhanced cost and sub-epoch based stable energy-efficient clustering algorithm for heterogeneous wireless sensor networks," *Wireless Personal Communications*, Jul. 2023. DOI: 10.1007/s11277-023-10601-2 issn 1572-834X **Impact Factor: 2.2** **SCIE, Q2**

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[*J*17] A. Verma, T. Rashid, **P. R. Gautam**, S. Kumar, *et al.*, "Fuzzy based stable clustering protocol for Heterogeneous wireless sensor networks," *International Journal of Engineering and Technology*, vol. 9, no. 4, pp. 2854–2860, Aug. 2017. DOI: 10.21817/ijet/2017/v9i4/170904046 issn 0975-4024 **Scopus 2017**

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