

Publications

Journals

- 1) Shilpi, **Arvind Kumar**, “Fuzzy distance Jaya Algorithm based Node Localization in Anisotropic Wireless Sensor Networks”, IEEE Transactions on Network Science and Engineering, Impact Factor: 6.7, [Accepted on 09/08/2024]
- 2) Shilpi, **Arvind Kumar**, “Application of Jaya algorithm for solving localization problem in a distributed Wireless Sensor Network” The Journal of Supercomputing, 16th Oct. 2023, SCIE, ISSN: 1573-0484, Impact Factor: 2.5, <https://doi.org/10.1007/s11227-023-05683-5>
- 3) Sanapala Shanmukha Rao, Shilpi, **Arvind Kumar**, “Performance Evaluation of Zone Based Three Level Heterogeneous Clustering Protocol for WSNs”, Journal of Telecommunications and Information Technology, Scopus, 29th Sept. 2023, Vol. 3, <https://doi.org/10.26636/jtit.2023.3.1381>
- 4) Akshay Verma, Sunil Kumar, Prateek Raj Gautam, Tarique Rashid, and **Arvind Kumar**, “Enhanced Cost and Sub-Epoch based Stable Energy Efficient Clustering Algorithm for Heterogeneous Wireless Sensor Networks”, Wireless Personal Communication, Impact Factor: 1.9, SCI, Vol and No. 131, 35 26 July 2023 <https://doi.org/10.1007/s11277-023-10601-2>
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- 7) Prateek Raj Gautam, Akshay Verma, Sunil Kumar, Dinesh Prasad, **Arvind Kumar**, “Design of Directional Antennas for Wireless Sensor Networks and the Internet of Things Experiments”, IEEE Sensors Letters, Vol. 6, NO. 9, pp; 1-4 September 2022, Impact Factor: 2.2, SCIE, [https://DOI: 10.1109/LSENS.2022.3202919\(ISSN 2475-1472\)](https://DOI: 10.1109/LSENS.2022.3202919(ISSN 2475-1472))

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- 11) AkshayVerma , Sunil Kumar, Prateek Raj Gautam, Tarique Rashid, and **Arvind Kumar** "Broadcast and Reliable Coverage based Efficient recursive Routing in Large-Scale WSNs" Springer, Telecommunication System vol. 75, pp. 63–78 , 11 June 2020. <https://doi:10.1007/s11235-020-00679-5>, Impact Factor: 1.7, SCIE
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