1 List of publications by Dr. Prateek Raj Gautam

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- [J1] 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
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- [J3] 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
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- [J5] 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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- [J7] 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

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- [J9] S. Kumar, P. R. Gautam, A. Verma, T. Rashid, et al., "An energy-efficient transmission in wsns for different climatic conditions," Wireless Personal Communications, vol. 110, no. 1, pp. 423–444, Sep. 2019. DOI: 10.1007/s11277-019-06735-x issn 0929-6212 Impact Factor: 2.2 SCIE, Q2
- [J10] S. Kumar, P. R. Gautam, T. Rashid, A. Verma, et al., "Division algorithm based energy-efficient routing in wireless sensor networks," Wireless Personal Communications, Aug. 2021. DOI: 10.1007/s11277-021-08996-x issn 1572-834X Impact Factor: 2.2
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- [J11] R. C. S. Chauhan, A. Kumar, and P. R. Gautam, "Optical orthogonal code generation scheme and grouping of codes for optical CDMA systems," International Journal of System Assurance Engineering and Management, vol. 12, no. 1, pp. 91–103, 1 Jun. 2020. DOI: 10.1007/s13198-020-01007-5 issn 0976-4348 Impact Factor: 2

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- [J12] P. R. Gautam, A. Verma, S. Kumar, D. Prasad, et al., "Design of directional antennas for wireless sensor networks and the internet of things experiments," IEEE Sensors Letters, vol. 6, no. 9, pp. 1–4, 2022. DOI: 10.1109/LSENS.2022.3202919 issn 2475-1472 Impact Factor: 2.8
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- [J14] 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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- [J18] T. Rashid, S. Kumar, A. Verma, P. R. Gautam, et al., "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, vol. 11, no. 02, pp. 69–82, Mar. 2019. DOI: 10.5121/ijcnc.2019.11205 issn 0974-9322 Scopus
- [C1] P. R. Gautam, S. Kumar, A. Verma, and A. Kumar, "Localization of sensor nodes in WSNs using three dimensional angle of arrival detection at BS," in 2019 International Conference on Electrical, Electronics and Computer Engineering (UPCON), ZHCET, AMU, Aligarh: IEEE, Nov. 2019, pp. 1–4. DOI: 10.1109/upcon47278.2019.8980262 isbn: 9781728134550 issn 2687-7767
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