

Dr. Sachin Tripathi

Publication List

International Journal

- 2021 (1)Gupta, Preeti, Sachin Tripathi, and Samayveer Singh. "RDA-BWO: Hybrid energy efficient data transfer and mobile sink location prediction in heterogeneous WSN." *Wireless Networks* 27.7 (2021): 4421-4440. (Q2)
- (2)Tomar, Ashish, and Sachin Tripathi. "Blockchain-assisted authentication and key agreement scheme for fog-based smart grid." *Cluster Computing* (2021): 1-18. (Q2)
- (3)Rana, Kamlesh Kumar, Sachin Tripathi, and Ram Shringar Raw. "Directional antenna-enabled multi-hop directional location routing in vehicular ad-hoc networks." *Journal of Ambient Intelligence and Humanized Computing* (2021): 1-15. (Q1)
- (4)Gupta, Preeti, Sachin Tripathi, and Samayveer Singh. "Energy efficient rendezvous points based routing technique using multiple mobile sink in heterogeneous wireless sensor networks." *Wireless Networks* 27.6 (2021): 3733-3746. (Q2)
- (5)Nayak, Soumen, et al. "Regression test optimization and prioritization using Honey Bee optimization algorithm with fuzzy rule base." *Soft Computing* 25.15 (2021): 9925-9942. (Q2)
- (6)Sharma, Rashmi Priya, et al. "IoT enabled IEEE 802.15. 4 WSN monitoring infrastructure driven Fuzzy-logic based Crop pest prediction." *IEEE Internet of Things Journal* (2021). (Q1)
- (7)Pal, Pankaj, et al. "2.4 GHz RF Received Signal Strength Based Node Separation in WSN Monitoring Infrastructure for Millet and Rice Vegetation." *IEEE Sensors Journal* (2021). (Q2)
- (8)Pal, Pankaj, et al. "Genetic algorithm optimized node deployment in IEEE 802.15. 4 potato and wheat crop monitoring infrastructure." *Scientific Reports* 11.1 (2021): 1-12. (Q1)
- (9)Salim, Abu, Rajesh Kumar Tiwari, and Sachin Tripathi. "An Efficient Public Auditing Scheme for Cloud Storage with Secure Access Control and Resistance Against DOS Attack by Iniquitous TPA." *Wireless Personal Communications* 117.4 (2021): 2929-2954. (Q4)
- (10)Rana, Kamlesh Kumar, Sachin Tripathi, and Ram Shringar Raw. "Fuzzy logic-based directional location routing in vehicular ad hoc network." *Proceedings of the National Academy of Sciences, India Section A: Physical Sciences* 91.1 (2021): 135-146. (Q3)

- 2020 (11) Gupta, Preeti, Sachin Tripathi, and Samayveer Singh. "Energy efficient hotspot problem mitigation techniques using multiple mobile sink in heterogeneous wireless sensor network." *International Journal of Communication Systems* 33.18 (2020): e4641. (Q3)
- (12) Prasad, Mahendra, Sachin Tripathi, and Keshav Dahal. "Unsupervised feature selection and cluster center initialization based arbitrary shaped clusters for intrusion detection." *Computers & Security* 99 (2020): 102062. (Q1)
- (13) Rana, Kamlesh Kumar, Sachin Tripathi, and Ram Shringar Raw. "Inter-vehicle distance-based location aware multi-hop routing in vehicular ad-hoc network." *Journal of Ambient Intelligence and Humanized Computing* 11.11 (2020): 5721-5733. (Q1)
- (14) Rana, Kamlesh Kumar, Sachin Tripathi, and Ram Shringar Raw. "Link reliability-based multi-hop directional location routing in vehicular ad hoc network." *Peer-to-Peer Networking and Applications* 13 (2020): 1656-1671. (Q2)
- (15) Purkait, Rajesh, and Sachin Tripathi. "Fuzzy logic based multi-criteria intelligent forward routing in VANET." *Wireless Personal Communications* 111.3 (2020): 1871-1897. (Q4)
- (16) Srivastava, Vikas, Sachin Tripathi, and Karan Singh. "Energy efficient optimized rate based congestion control routing in wireless sensor network." *Journal of Ambient Intelligence and Humanized Computing* 11.3 (2020): 1325-1338. (Q1)
- (17) Prasad, Mahendra, Sachin Tripathi, and Keshav Dahal. "An efficient feature selection based Bayesian and Rough set approach for intrusion detection." *Applied Soft Computing* 87 (2020): 105980. (Q1)
- (18) Rana, Kamlesh Kumar, Sachin Tripathi, and Ram Shringar Raw. "Opportunistic directional location aided routing protocol for vehicular ad-hoc network." *Wireless Personal Communications* 110.3 (2020): 1217-1235. (Q4)

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- (21) Mishra, Tapas Kumar, and Sachin Tripathi. "Minimizing End-to-End Delay on Real-Time Applications." *Wireless Personal Communications* 107.1 (2019): 41-55. (Q4)
- (22) Nayak, Soumen, Chiranjeev Kumar, and Sachin Tripathi. "Erratum to: Enhancing Efficiency of the Test Case Prioritization Technique by Improving the Rate of Fault Detection." *Arabian Journal for Science Engineering (Springer Science Business Media BV)* 44.3 (2019). (Q3)
- (23) Pal, Pankaj, Sachin Tripathi, and Chiranjeev Kumar. "Clustered heterogeneous wireless sensor network infrastructure for reliable and efficient path planning of mobile nodes in remote area." *International Journal of Sensor Networks* 31.4 (2019): 199-215. (Q4)
- (24) Das, Santosh Kumar, and Sachin Tripathi. "Energy efficient routing formation algorithm for hybrid ad-hoc network: A geometric programming approach." *Peer-to-Peer Networking and Applications* 12.1 (2019): 102-128. (Q2)

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- (29) Das, Santosh Kumar, and Sachin Tripathi. "Intelligent energy-aware efficient routing for MANET." *Wireless Networks* 24.4 (2018): 1139-1159. (Q2)
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- (31) Purkait, Rajesh, and Sachin Tripathi. "Network condition and application-based data adaptive intelligent message routing in vehicular network." *International Journal of Communication Systems* 31.4 (2018): e3483. (Q3)
- (32) Mishra, Tapas Kumar, and Sachin Tripathi. "Congestion control and fairness with dynamic priority for ad hoc networks." *International Journal of Ad Hoc and Ubiquitous Computing* 29.3 (2018): 208-220. (Q4)
- (35) Rana, Kamlesh Kumar, Sachin Tripathi, and Ram Shringar Raw. "Analytical analysis of improved directional location added routing protocol for VANETS." *Wireless Personal Communications* 98.2 (2018): 2403-2426. (Q4)
- 2017 (36) Santosh Kumar Das and Sachin Tripathi, "Energy Efficient Routing Formation Technique for Hybrid Ad-Hoc Network using Fusion of Artificial Intelligence Techniques", *International Journal of Communication Systems*, Wiley, DOI:10.1002/dac.3340, May 2017. (Q3)
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- (43) Priyanka Jaiswal and Sachin Tripathi, "An authenticated group key transfer protocol using elliptic curve cryptography", 10-Feb-2016, Peer-to-Peer Networking and Applications, pp. 1-8. (Q2)
- (44) Abhimanyu Kumar and Sachin Tripathi, "Anonymous ID-based group key agreement protocol without pairing", Mar-2016, International Journal of Network Security", Vol-18, No-2, pp. 263-273.
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