

Last 5 years publication:

1. Thangaramya, K., Kulothungan, K., Logambigai, R., Selvi, M., Ganapathy, S., & Kannan, A. (2019). Energy aware cluster and neuro-fuzzy based routing algorithm for wireless sensor networks in IoT. *Computer Networks*, 151, 211-223.
2. Vijayakumar, P., Azees, M., Kannan, A., & Deborah, L. J. (2015). Dual authentication and key management techniques for secure data transmission in vehicular ad hoc networks. *IEEE Transactions on Intelligent Transportation Systems*, 17(4), 1015-1028.
3. Logambigai, Rajasekar, and Arputharaj Kannan. "Fuzzy logic based unequal clustering for wireless sensor networks." *Wireless Networks* 22.3 (2016): 945-957.
4. Logambigai, Rajasekar, Sannasi Ganapathy, and Arputharaj Kannan. "Energy-efficient grid-based routing algorithm using intelligent fuzzy rules for wireless sensor networks." *Computers & Electrical Engineering* 68 (2018): 62-75.
5. Leema, N., H. Khanna Nehemiah, and Arputharaj Kannan. "Neural network classifier optimization using differential evolution with global information and back propagation algorithm for clinical datasets." *Applied Soft Computing* 49 (2016): 834-844.
6. Nahato, Kindie Biredagn, Khanna Nehemiah Harichandran, and Kannan Arputharaj. "Knowledge mining from clinical datasets using rough sets and backpropagation neural network." *Computational and mathematical methods in medicine* 2015 (2015).
7. Selvi, M., Logambigai, R., Ganapathy, S., Ramesh, L. S., Nehemiah, H. K., & Arputharaj, K. (2016, August). Fuzzy temporal approach for energy efficient routing in WSN. In *Proceedings of the international conference on informatics and analytics* (pp. 1-5).
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11. Ganapathy, S., Vijayakumar, P., Yogesh, P., & Kannan, A. (2016). An Intelligent CRF Based Feature Selection for Effective Intrusion Detection. *International Arab Journal of Information Technology (IAJIT)*, 13(1).
12. Selvi, M., Velvizhy, P., Ganapathy, S., Nehemiah, H. K., & Kannan, A. (2019). A rule based delay constrained energy efficient routing technique for wireless sensor networks. *Cluster Computing*, 22(5), 10839-10848.
13. Sweetlin, J. D., Nehemiah, H. K., & Kannan, A. (2017). Feature selection using ant colony optimization with tandem-run recruitment to diagnose bronchitis from CT scan images. *Computer methods and programs in biomedicine*, 145, 115-125.

14. Perumal, Sankar Pariserum, Ganapathy Sannasi, and Kannan Arputharaj. "An intelligent fuzzy rule-based e-learning recommendation system for dynamic user interests." *The Journal of Supercomputing* 75.8 (2019): 5145-5160.
15. Sweetlin, J. Dhalia, H. Khanna Nehemiah, and Arputharaj Kannan. "Computer aided diagnosis of drug sensitive pulmonary tuberculosis with cavities, consolidations and nodular manifestations on lung CT images." *International Journal of Bio-Inspired Computation* 13.2 (2019): 71-85.
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19. Rajendran, R., Kumar, S. S., Palanichamy, Y., & Arputharaj, K. (2019). Detection of DoS attacks in cloud networks using intelligent rule based classification system. *Cluster Computing*, 22(1), 423-434.
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27. Nancy, P., Muthurajkumar, S., Ganapathy, S., Kumar, S. S., Selvi, M., & Arputharaj, K. (2020). Intrusion detection using dynamic feature selection and fuzzy temporal

decision tree classification for wireless sensor networks. *IET Communications*, 14(5), 888-895.

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