Dr. Arunkumar Thangavelu,

Professor, VIT University, Vellore.

- 1 Krishnan, S. Siva Rama, and Arunkumar Thangavelu. "An early prevention method for node failure in wireless sensor networks." *International Journal of Internet Technology and Secured Transactions* 10.5 (2020): 507-537.
- 2 Saranya, Karattupalayam Chidambaram, et al. "Cyclist detection using tiny yolo v2." *Soft Computing for Problem Solving*. Springer, Singapore, 2020. 969-979.
- Anbu, Srivani, Arunkumar Thangavelu, and S. Denis Ashok. "Fuzzy C-Means Based Clustering and Rule Formation Approach for Classification of Bearing Faults Using Discrete Wavelet Transform." *Computation* 7.4 (2019): 54.
- 4 Swaminathan, Revathy, and Arunkumar Thangavelu. "An Enhanced Hybrid Clustering Approach for Privacy Preservation (ECPS) in Big Data using Apache Spark Framework." *Journal of Testing and Evaluation* 47.6 (2019): 4054-4066.
- 5 Prasanna, Mani, et al. "Prediction Intelligence System Based Real Time Monitoring of Yoga Performers." *Recent Patents on Computer Science* 12.1 (2019): 11-17.
- Bavya, N., T. Arunkumar, and K. Adalarasu. "A comprehensive survey on IoT technologies in health care system." *Research Journal of Pharmacy and Technology* 11.7 (2018): 3157-3162.
- 7 Thangavelu, Arunkumar, and N. Manoharan. "Design and Analysis of an Effective Channel Distribution Approach for Agricultural Commodities using MongoDB." *Indian Journal of Science and Technology* 9.47 (2018).
- 8 Sangaiah, Arun Kumar, Arunkumar Thangavelu, and Venkatesan Meenakshi Sundaram. "Cognitive computing for Big Data systems over IoT." *Gewerbestrasse* 11 (2018): 6330.
- 9 Manoharan, N., and Arunkumar Thangavelu. "An Experimental Evaluation of Integrated Dematal and Fuzzy Cognitive Maps for Cotton Yield Prediction." *Cognitive Science and Artificial Intelligence*. Springer, Singapore, 2018. 31-43.
- 10 Kalaivani, D., and T. Arunkumar. "Multi process prediction model for customer behaviour analysis." *International Journal of Web Based Communities* 14.1 (2018): 54-63.
- 11 Arunkumar, T., and G. Narendrakumar. "In Silico Analysis on Docking Studies of Haemolysin Protein in Vibrio Paraheamolyticus." *Biomedical and Pharmacology Journal* 10.4 (2017): 1879-1886.
- 12 Umadevi, K. S., and Arunkumar Thangavelu. "An optimal medium access slot allocation for wimedia medium access control protocol using firefly algorithm." 2017 International conference on Microelectronic Devices, Circuits and Systems (ICMDCS). IEEE, 2017.
- 13 KS, UMADEVI, and Arunkumar Thangavelu. "C-DAM: CONTENTION BASED DISTRIBUTED RESERVATION PROTOCOL ALLOCATION ALGORITHM FOR WIMEDIA MEDIUM ACCESS CONTROL." *Journal of Engineering Science and Technology* 12.7 (2017): 1988-1998.
- 14 Sugumaran, Vijayan, Arun Kumar Sangaiah, and Arunkumar Thangavelu, eds. *Computational intelligence applications in business intelligence and big data analytics*. CRC Press, 2017.
- 15 Sugumaran, Vijayan, Arun Kumar Sangaiah, and Arunkumar Thangavelu. "Computational Intelligence Paradigms in Business Intelligence and Analytics." *Computational Intelligence Applications in Business Intelligence and Big Data Analytics*. Auerbach Publications, 2017. 19-30.

- 16 Arunkumar, T., Ann Feba Ebby, and G. Narendrakumar. "Docking studies of benzisoxazole analogues in white spot syndrome virus." *Research Journal of Pharmacy and Technology* 10.8 (2017): 2497-2500.
- 17 Kalaivani, D., P. Sumathi, and T. Arunkumar. "Customer Behavior Predictive Modeling for Online Shopping using Tuned Decision Tree Method." *HELIX* 7.5 (2017): 1994-1999.
- 18 Prasanna, M., T. Arunkumar, and S. Arunkumar. "A Mobile Application Based Smart System for Supporting Yoga Activities and Health Monitoring." *Research Journal of Pharmacy and Technology* 10.11 (2017): 3863-3867.
- 19 Umadevi, K. S., and Thangavelu Arunkumar. "Providing an optimal QoS using demand-based distributed reservation protocol allocation algorithm for WiMedia medium access control." *International Journal of Information and Communication Technology* 10.2 (2017): 218-227.
- 20 Thyagarajan, Karthikeyan, and Arunkumar Thangavelu. "An integrated defense approach for distributed denial of service attacks in mobile ad-hoc network." *International Journal of Applied Engineering Research* 11.7 (2016): 4898-4910.
- 21 Alsumayt, Albandari. *Mitigate denial of service attacks in mobile ad-hoc networks*. Diss. Nottingham Trent University, 2017.
- Babu, K. Ramesh, and ARUNKUMAR THANGAVELU. "A CONTEXT AWARE BASED PRE-HANDOFF SUPPORT APPROACH TO PROVIDE OPTIMAL QOS FOR STREAMING APPLICATIONS OVER VEHICULAR AD HOC NETWORKS—HOSA." *Journal of Engineering Science and Technology* 10.6 (2015): 743-764.
- Anantharaj, Gunasundari, Arunkumar Thangavelu, and Hemavathy Ramasubbian. "A Predictive Analytical Approach towards improving the Crop Growth Yield using Fuzzy Cognitive Maps—CROYAN." *IIOABJ* 6.4 (2015): 113-118.
- 24 Sundaram, Venkatesan Meenakshi, and Arunkumar Thangavelu. "A Delaunay diagram-based min–max CP-tree algorithm for spatial data analysis." *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery* 5.3 (2015): 142-154.
- 25 Sangaiah, Arun Kumar, et al. "An ANFIS approach for evaluation of team-level service climate in GSD projects using Taguchi-genetic learning algorithm." *Applied Soft Computing* 30 (2015): 628-635.
- Venkatesan, M., T. Arunkumar, and P. Prabhavathy. "A novel Cp-Tree-based colocated classifier for big data analysis." *International Journal of Communication Networks and Distributed Systems* 15.2-3 (2015): 191-211.
- 27 Saravanaguru, Ra K., K. Kumar, and Arunkumar Thangavelu. "Investigation on context aware middleware support for vehicular safety applications." *World Applied Science Journal* 33.6 (2015): 905-917.