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**Journal Publications***(SCI/SCIE/SCOPUS LAST 5 YEARS ONLY WITH COMPLETE REFERENCES)*

- Manogaran, G., **Baskar, S.**, Hsu, C. H., Kadry, S. N., Sundarasekar, R., Kumar, P. M., & Muthu, B. A. (2020). FDM: Fuzzy-optimized Data Management Technique for Improving Big Data Analytics. IEEE Transactions on Fuzzy Systems. *(SCI)*
- Shakeel, P. M., **Baskar, S.**, Fouad, H., Manogaran, G., Saravanan, V., & Montenegro-Marin, C. E. (2020). Internet of things forensic data analysis using machine learning to identify roots of data scavenging. Future Generation Computer Systems. *(SCI)*
- Manogaran, G., Srivastava, G., Muthu, B. A., **Baskar, S.**, Shakeel, P. M., Hsu, C. H., ... & Kumar, P. M. (2020). A Response-aware Traffic Offloading Scheme using Regression Machine Learning for User-Centric Large-Scale Internet of Things. IEEE Internet of Things Journal. *(SCI)*
- **Baskar, S.**, Shakeel, P. M., Kumar, R., Burhanuddin, M. A., & Sampath, R. (2020). A dynamic and interoperable communication framework for controlling the operations of wearable sensors in smart healthcare applications. Computer Communications, 149, 17-26. *(SCI)*
- Kumar, M. S., Dhulipala, V. S., & **Baskar, S.** (2020). Fuzzy unordered rule induction algorithm-based classification for reliable communication using wearable computing devices in healthcare. Journal of Ambient Intelligence and Humanized Computing, 1-12. *(SCI)*
- Gomathi, P., **Baskar, S.**, & Shakeel, P. M.(2020) Concurrent service access and management framework for user-centric future internet of things in smart cities. *(SCI)*

- Janarthanan, R., Doss, S., & **Baskar, S.** (2020). Optimized unsupervised Deep learning assisted reconstructed coder in the on-nodule wearable sensor for Human Activity Recognition. *Measurement*, 108050. (*SCI*)
- Arun, K. K., Mydhili, S. K., **Baskar, S.**, & Shakeel, P. M. (2020). Fuzzy rule- based environment-aware autonomous mobile robots for actuated touring. *INTELLIGENT SERVICE ROBOTICS*. (*SCI*)
- Sundhari, R. M., Murali, L., Baskar, S., & Shakeel, P. M. (2020) MDRP: Message dissemination with re-route planning method for emergency vehicle information exchange. (*SCI*)
- Shakeel, P. M., & **Baskar, S.** (2020). Automatic Human Emotion Classification in Web Document Using Fuzzy Inference System (FIS): Human Emotion Classification. *International Journal of Technology and Human Interaction (IJTHI)*, 16(1), 94-104. (*SCI*)
- Shakeel, P. M., **Baskar, S.**, Sampath, R., & Jaber, M. M. (2019). Echocardiography image segmentation using feed forward artificial neural network (FFANN) with fuzzy multi-scale edge detection (FMED). *International Journal of Signal and Imaging Systems Engineering*, 11(5), 270-278. (*SCI*)
- Mydhili, S. K., Periyamayagi, S., **Baskar, S.**, Shakeel, P. M., & Hariharan, P. R. (2019). Machine learning based multi scale parallel K-means++ clustering for cloud assisted internet of things. *Peer-to-Peer Networking and Applications*, 1-13. (*SCI*)
- Dhote, S., Vichoray, C., Pais, R., **Baskar, S.**, & Shakeel, P. M. (2019). Hybrid geometric sampling and AdaBoost based deep learning approach for data imbalance in E-commerce. *Electronic Commerce Research*, 1-16. (*SCI*)
- Sundarasekar, R., Shakeel, P. M., **Baskar, S.**, Kadry, S., Mastorakis, G., Mavromoustakis, C. X., & Vivekananda, G. N. (2019). Adaptive Energy Aware Quality of Service for Reliable Data Transfer in Under Water Acoustic Sensor Networks. *IEEE Access*. (*SCI*)
- Manogaran, G., Shakeel, P. M., Fouad, H., Nam, Y., **Baskar, S.**, Chilamkurti, N., & Sundarasekar, R. (2019). Wearable IoT Smart-Log Patch: An Edge Computing-Based

Bayesian Deep Learning Network System for Multi Access Physical Monitoring System. *Sensors*, 19(13), 3030. (*SCI*)

- **Baskar, S.**, Periyamayagi, S., Shakeel, P. M., & Dhulipala, V. S. (2019). An Energy persistent Range-dependent Regulated Transmission Communication Model for Vehicular Network Applications. *Computer Networks*. (*SCI*)

- **Baskar, S.**, Dhulipala, V. S., Shakeel, P. M., Sridhar, K. P., & Kumar, R. (2019). Hybrid fuzzy based spearman rank correlation for cranial nerve palsy detection in MIoT environment. *Health and Technology*, 1-12. (*SCIE*)

- Shakeel, P. M., **Baskar, S.**, & Selvakumar, S. (2019). Retrieving Multiple Patient Information by Using the Virtual MIMO and Path Beacon in Wireless Body Area Network. *Wireless Personal Communications*, 1-12. (*SCI*)

- Manogaran, G., **Baskar, S.**, Shakeel, P. M., Chilamkurti, N., & Kumar, R. (2019). Analytics in real time surveillance video using two-bit transform accelerative regressive frame check. *Multimedia Tools and Applications*, 1-18. (*SCIE*)

- Gomathi, P., **Baskar, S.**, Shakeel, M. P., & Dhulipala, S. V. (2019). Numerical Function Optimization in Brain Tumor Regions Using Reconfigured Multi-Objective Bat Optimization Algorithm. *Journal of Medical Imaging and Health Informatics*, 9(3), 482-489. (*SCI*)

- Gomathi, P., **Baskar, S.**, Shakeel, P. M., & Dhulipala, V. S. (2019). Identifying brain abnormalities from electroencephalogram using evolutionary gravitational neocognitron neural network. *Multimedia Tools and Applications*, 1-20. (*SCI*)

- Kirubakaran, J., Venkatesan, G. P., **Baskar, S.**, Kumaresan, M., & Annamalai, S. (2019). Prediction of cirrhosis disease from radiologist liver medical image using hybrid coupled dictionary pairs on longitudinal domain approach. *Multimedia Tools and Applications*, 1-19. (*SCI*)

- Shakeel, P. M., Tobely, T. E. E., Al-Feel, H., Manogaran, G., & **Baskar, S.** (2019). Neural network based brain tumor detection using wireless infrared imaging sensor. *IEEE Access*, 7, 5577-5588. (*SCI*)

- Shakeel, P. M., **Baskar, S.**, Dhulipala, V. S., & Jaber, M. M. (2018). Cloud based framework for diagnosis of diabetes mellitus using K-means clustering. *Health information science and systems*, 6(1), 16. (*SCI*)
- **Baskar, S.**, & Dhulipala, V. S. (2018). Collaboration of Trusted Node and QoS Based Energy Multi Path Routing Protocol for Vehicular Ad Hoc Networks. *Wireless Personal Communications*, 103(4), 2833-2842. (*SCI*)
- Shakeel, P. M., **Baskar, S.**, Dhulipala, V. S., Mishra, S., & Jaber, M. M. (2018). Maintaining security and privacy in health care system using learning based deep-Q-networks. *Journal of medical systems*, 42(10), 186. (*SCI*)
- **Baskar, S.**, & Dhulipala, V. R. (2018). Implementation of Elliptical Curve Point Multiplication Over Galois Field (GF (p)) in 45 Nanometer Technologies. *Sensor Letters*, 16(8), 632-641. (*SCOPUS*)
- **Baskar, S.**, & Dhulipala, V. R. (2018). Biomedical rehabilitation: data error detection and correction using two-dimensional linear feedback shift register based cyclic redundancy check. *Journal of Medical Imaging and Health Informatics*, 8(4), 805-808. (*SCIE*)
- Gomathi, P., **Baskar, S.**, Shakeel, M. P., & Dhulipala, S. V. (2019). Numerical Function Optimization in Brain Tumor Regions Using Reconfigured Multi-Objective Bat Optimization Algorithm. *Journal of Medical Imaging and Health Informatics*, 9(3), 482-489. (*SCI*)
- Gomathi, P., **Baskar, S.**, Shakeel, P. M., & Dhulipala, V. S. (2019). Identifying brain abnormalities from electroencephalogram using evolutionary gravitational neocognitron neural network. *Multimedia Tools and Applications*, 1-20. (*SCI*)
- Kirubakaran, J., Venkatesan, G. P., **Baskar, S.**, Kumaresan, M., & Annamalai, S. (2019). Prediction of cirrhosis disease from radiologist liver medical image using hybrid coupled dictionary pairs on longitudinal domain approach. *Multimedia Tools and Applications*, 1-19. (*SCI*)

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- **Baskar, S.** (2014, March). Error recognition and correction enhanced decoding of hybrid codes for memory application. In 2014 2nd International conference on devices, circuits and systems (ICDCS) (pp. 1-6). IEEE. (*SCOPUS*)
- Raghupathi, S., & **Baskar, S.** (2012). Design and Implementation of an Efficient and Modernized Technique of a Car Automation using Spartan-3 FPGA. *Artificial Intelligent Systems and Machine Learning*, 4(10).
- **Baskar, S.**, & Saravanan, M. (2012). Error detection and correction enhanced decoding of difference set codes for memory application. *International Journal of Advanced Research in Computer and Communication Engineering*, 1(10), 816-820.