Dr. G. Aghila,
Professor,
Department of Computer Science and
Engineering,
NIT, Pudhuchery.
Email: aghila@nitpy.ac.in

Sl.No	Publication Details	Year
1	Siddharth, R., and G. Aghila. "A light weight background subtraction algorithm for motion detection in fog computing." IEEE Letters of the Computer Society 3.1 (2020): 17-20.	2020
2	Nivethitha, V., and G. Aghila. "Opportunistic Edge Computing Architecture for Smart Healthcare Systems." *Handbook of Research on Engineering, Business, and Healthcare Applications of Data Science and Analytics*. IGI Global, 2020. 289-306.	2020
3	Siddharth, R., and G. Aghila. "RandPro-A practical implementation of random projection-based feature extraction for high dimensional multivariate data analysis in R." *SoftwareX* 12 (2020): 100629.	2020
4	Ravindran, Siddharth, and G. Aghila. "A data-independent reusable projection (DIRP) technique for dimension reduction in big data classification using k-nearest neighbor (k-NN)." *National Academy Science Letters* 43.1 (2020): 13-21.	2020
5	Kanhe, Aniruddha, and Aghila Gnanasekaran. "Security of electronic patient record using imperceptible DCT-SVD based audio watermarking technique." International Journal of Electronics and Telecommunications 65 (2019).	2019
6	Nivethitha, V., and G. Aghila. "Survey on architectural design principles for edge oriented computing systems." Journal of Computational and Theoretical Nanoscience 16.4 (2019): 1617-1624.	2019
7	Ravindran, Siddharth, and G. Aghila. "A data-independent reusable projection (DIRP) technique for dimension reduction in big data classification using k-nearest neighbor (k-NN)." National Academy Science Letters 43.1 (2019): 13-21.	2019
8	Ravindran, Siddharth, and G. Aghila. "A Privacy-Preserving Feature Extraction Method for Big Data Analytics Based on Data-Independent Reusable Projection." Handbook of Research on Cloud Computing and Big Data Applications in IoT. IGI Global, 2019. 151-169.	2019
9	Bala, P. Shanthi, and G. Aghila. "Q-Genesis: Question Generation System Based on Semantic Relationships." Advances in Big Data and Cloud Computing. Springer, Singapore, 2019. 509-517.	2019
10	Kumar, Ajit, K. S. Kuppusamy, and G. Aghila. "A learning model to detect maliciousness of portable executable using integrated feature set." *Journal of King Saud University-Computer and Information Sciences* 31.2 (2019): 252-265.	2019
11	Kanhe, Aniruddha, and Aghila Gnanasekaran. "A blind audio watermarking scheme employing DCT–HT–SD technique." Circuits, Systems, and Signal Processing 38.8 (2019): 3697-3714.	2019
12	Kanhe, Aniruddha, and Aghila Gnanasekaran. "A QIM-Based Energy Modulation Scheme for Audio Watermarking Robust to Synchronization Attack." Arabian Journal for Science and Engineering 44.4 (2019): 3415-3423.	2019

13	Kanhe, Aniruddha, and Aghila Gnanasekaran. "Robust image-in-audio watermarking technique based on DCT-SVD transform." EURASIP Journal on Audio, Speech, and Music Processing 2018.1 (2018): 16.	2018
14	Kumar, Ajit, K. S. Kuppusamy, and G. Aghila. "FAMOUS: Forensic Analysis of MObile devices Using Scoring of application permissions." Future Generation Computer Systems 83 (2018): 158-172.	2018
15	Bala, P. Shanthi, and G. Aghila. "SemPER: Semantic Relationships based Reasoning Approach." International Journal of Pure and Applied Mathematics 118.8 (2018): 157-163.	2018
16	Kuppusamy, K. S., and G. Aghila. "HuMan: an accessible, polymorphic and personalized CAPTCHA interface with preemption feature tailored for persons with visual impairments." Universal Access in the Information Society 17.4 (2017): 841-864.	2017
17	Kumar, Ajit, K. S. Kuppusamy, and G. Aghila. "A learning model to detect maliciousness of portable executable using integrated feature set." Journal of King Saud University-Computer and Information Sciences 31.2 (2017): 252-265.	2017
18	Kumar, Ajit, et al. "Machine learning based malware classification for Android applications using multimodal image representations." 2016 10th international conference on intelligent systems and control (ISCO). IEEE, 2016.	2016
19	Uma, Vijayasundaram, and Gnanasekaran Aghila. "Mining frequent arrangements and sequencing of events for diseases prognosis using reference event-based temporal relations." International Journal of Information and Communication Technology 9.1 (2016): 17-42.	2016
20	Uma, V., L. M. Nikhila, and G. Aghila. "RaTeR: Search Plugin supporting Temporal Operators based Information Retrieval." *Proceedings of the International Conference on Informatics and Analytics*. 2016.	2016
21	Kanhe, Aniruddha, and Gnanasekaran Aghila. "DCT based audio steganography in voiced and un-voiced frames." *Proceedings of the International Conference on Informatics and Analytics*. 2016.	2016
22	Kanhe, Aniruddha, et al. "Robust audio steganography based on advanced encryption standards in temporal domain." 2015 International Conference on Advances in Computing, Communications and Informatics (ICACCI). IEEE, 2015.	2015
23	Sunitha, R., and G. Aghila. "Quantifying concept proximity based on semantic measures." *Advances in Natural and Applied Sciences* 9.6 SE (2015): 360-367.	2015
24	Thiyagarajan, P., et al. "Shamir Secret Sharing Scheme with Dynamic Access Structure (SSSDAS): case study on nuclear power plant." *Kerntechnik* 80.2 (2015): 150-160.	2015