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List of Publications:

1) Usha Moorthy, Usha Devi Gandhi, "A novel optimal feature selection technique for medical data classification using ANOVA based whale optimization", Journal of Ambient Intelligence and Humanized Computing, Springer Berlin Heidelberg, https://doi.org/10.1007/s12652-020-02592-w, 2020.

2) BV Gokulnath, G Usha Devi, "Boosted-DEPICT: an effective maize disease categorization framework using deep clustering", Neural Computing and Applications, Springer London, https://doi.org/10.1007/s00521-020-05303-w, 2020.

3) Hariharan Rajadurai, Usha Devi Gandhi, "A stacked ensemble learning model for intrusion detection in wireless network", NEURAL COMPUTING & APPLICATIONS, SPRINGER LONDON LTD, https://doi.org/10.1007/s00521-020-04986-5, 2020.

4) BV Gokulnath, G Usha Devi, "Elastic SDAE: An Adaptive Noise Selection for Stacked Denoising Auto encoder", 2020 International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE), IEEE, DOI: 10.1109/ic-ETITE47903.2020.275, 2020.

5) Hariharan Rajadurai, Usha Devi Gandhi, "Fuzzy Based Collaborative Verification System for Sybil Attack Detection in MANET", Wireless Personal Communications, Springer US, https://doi.org/10.1007/s11277-019-06836-7, 2020.

6) Priyan Malarvizhi Kumar, G Usha Devi, Shakila Basheer, P Parthasarathy, "A study on data de-duplication schemes in cloud storage", International Journal of Grid and Utility Computing, Inderscience Publishers (IEL), https://doi.org/10.1504/IJGUC.2020.108450, 2020.

7) Priyan Malarvizhi Kumar, Usha Devi Gandhi, "Enhanced DTLS with CoAP-based authentication scheme for the internet of things in healthcare application", The Journal of Supercomputing, Springer US, https://doi.org/10.1007/s11227-017-2169-5, 2020.

8) R Hariharan, I Sumaiya Thaseen, G Usha Devi, "Performance Analysis of Single-and Ensemble-Based Classifiers for Intrusion Detection", Soft Computing for Problem Solving, Springer, Singapore, https://doi.org/10.1007/978-981-15-0184-5_65, 2019.

9) Usha Devi Gandhi Usha Moorthy, "Medical Big Data Analytics Using Machine Learning Algorithms", International Journal of Innovative Technology and Exploring Engineering, Blue Eyes Intelligence Engineering & Sciences Publication, 2019.

10) Priyan Malarvizhi Kumar, Ushadevi Gandhi, R Varatharajan, Gunasekaran Manogaran, R Jidhesh, Thanjai Vadivel, "Intelligent face recognition and navigation system using neural learning for smart security in Internet of Things", Cluster Computing, Springer US, https://doi.org/10.1007/s10586-017-1323-4, 2019.

11) V Vijayakumar, MK Priyan, Gandhi Ushadevi, R Varatharajan, Gunasekaran Manogaran, Prathamesh Vijay Tarare, "E-health cloud security using timing enabled proxy re-

encryption", Mobile Networks and Applications, Springer US, https://doi.org/10.1007/s11036-018-1060-9, 2019.

12) Senthil Murugan Nagarajan, Usha Devi Gandhi, "Classifying streaming of Twitter data based on sentiment analysis using hybridization", Neural Computing and Applications, Springer London, https://doi.org/10.1007/s00521-018-3476-3, 2019.

13) Shakila Basheer, Usha Devi Gandhi, MK Priyan, P Parthasarathy, "Network support data analysis for fault identification using machine learning", International Journal of Software Innovation (IJSI), IGI Global, DOI: 10.4018/IJSI.2019040104, 2019.

14) Usha Moorthy, Usha Devi Gandhi, "Forest optimization algorithm-based feature selection using classifier ensemble", Computational Intelligence, Wiley, https://doi.org/10.1111/coin.12265, 2019.

15) MK Priyan, G Usha Devi, "A survey on internet of vehicles: applications, technologies, challenges and opportunities", International Journal of Advanced Intelligence Paradigms, Inderscience Publishers (IEL), https://doi.org/10.1504/IJAIP.2019.096957, 2019.

16) Usha Devi Gandhi, Priyan Malarvizhi Kumar, R Varatharajan, Gunasekaran Manogaran, Revathi Sundarasekar, Shreyas Kadu, "HIoTPOT: surveillance on IoT devices against recent threats", Wireless personal communications, Springer US, https://doi.org/10.1007/s11277-018-5307-3, 2018.

17) N Senthil Murugan, G Usha Devi, "Detecting streaming of Twitter spam using hybrid method", Wireless Personal Communications, Springer US, https://doi.org/10.1007/s11277-018-5513-z, 2018.

18) Priyan Malarvizhi Kumar, UshaDevi G, Gunasekaran Manogaran, Revathi Sundarasekar, Naveen Chilamkurti, Ramachandran Varatharajan, "Ant colony optimization algorithm with internet of vehicles for intelligent traffic control system", Computer Networks, Elsevier, https://doi.org/10.1016/j.comnet.2018.07.001, 2018.

19) MK Priyan, G Usha Devi, "Energy efficient node selection algorithm based on node performance index and random waypoint mobility model in internet of vehicles", Cluster Computing, Springer US, https://doi.org/10.1007/s10586-017-0998-x, 2018.

20) G Usha Devi, MK Priyan, C Gokulnath, "Wireless camera network with enhanced SIFT algorithm for human tracking mechanism", International Journal of Internet Technology and Secured Transactions, Inderscience Publishers (IEL), https://doi.org/10.1504/IJITST.2018.093376, 2018.

21) Senthil Murugan N, Usha Devi G, "Detecting Spams in Social Networks using ML Algorithms A Review", International Journal of Environment and Waste Management, inderscience, https://doi.org/10.1504/IJEWM.2018.091308, 2018.

22) N. Senthil Murugan, G. Usha Dev, "Feature extraction using LR-PCA hybridization on twitter data and classification accuracy using machine learning algorithms", Cluster Computing, Springer, https://doi.org/10.1007/s10586-018-2158-3, 2018.

23) Usha Moorthy, Usha Devi Gandhi, "A Survey of Big Data Analytics Using Machine Learning Algorithms", HCI Challenges and Privacy Preservation in Big Data Security, IGI Global, DOI: 10.4018/978-1-5225-2863-0.ch005, 2018.

24) Priyan Malarvizhi Kumar, Usha Devi Gandhi, "A novel three-tier Internet of Things architecture with machine learning algorithm for early detection of heart diseases",

Computers & Electrical Engineering, Pergamon, https://doi.org/10.1016/j.compeleceng.2017.09.001, 2018.

25) V Gokulnath, B., Usha Devi G, "A Review on Classification Algorithms of Medical Diagnostics", Research Journal of Pharmaceutical, Biological and Chemical Sciences, *RESEARCH JOURNAL OF PHARMACEUTICAL BIOLOGICAL AND CHEMICAL SCIENCES*, 2017.

26) Gandhi U.D. Archana T, "Prediction of student performance in educational data mining - A survey", International Journal of Pharmacy and Technology, 2017.

27) Usha Devi G., G. Supriya, "Encryption of Big Data in Cloud using Deduplication Technique", Research Journal of Pharmaceutical, Biological and Chemical Sciences, Cambridge, 2017.

28) Usha Devi Gandhi, "A Novel Approach of Human Tracking Mechanism in Wireless Camera Networks", Advanced Image Processing Techniques and Applications, IGI Global, DOI: 10.4018/978-1-5225-2053-5.ch014, 2017.

29) Gandhi U.D. Archana T, "Prediction of student performance in educational data mining - A survey", International Journal of Pharmacy and Technology, 2016.

30) Deepikaa S, Usha devi G, "Performance Analysis Of Topology Based Ad-Hoc Wireless Routing Protocols Using Qualnet", International Journal of Pharmacy & Technology, 2016.