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List of Publications (for the past 5 years)

1. G. Jaspher W. Kathrine, Ronnie T. Baby, V. Ebenezer,(2020) “Comparative Analysis of subdomain enumeration tools and static code analysis”, Institute of Mechanics of Continua and Mathematical Sciences, Vol.15, No.6, 2020.
2. Shibin David, Dr. Kathrine,(2020) “Digital Signature Algorithm for M-Payment Applications Using Arithmetic Encoding and Factorization Algorithm”, Journal of cases on Information Technology, IGI Global Publishers, Vol. 23, Issue 3, 2020. Published yet to be indexed.
3. S. Jebapriya, D. Shibin, G. Jaspher W. Kathrine, Naveen Sundar,(2019) “Support vector machine for classification of Autism Spectrum Disorder based on abnormal structure of Corpus Callosum”, International Journal of Advanced Computer Science and Applications, 10(9), pp. 489-493, Taylor and Francis, 2019. Digital Object Identifier (DOI) : 10.14569/IJACSA.2019.0100965. Indexed in Web of Science & Scopus. SJR:0.13
4. D. Shibin, G. Jaspher W. Kathrine,(2019) “Augmenting privacy for e-wallet applications using ranked keyword search”, International Journal of Scientific and Technology Research, 8(9), pp. 1835-1842, 2019, ISSN 2277-8616, Indexed in Scopus.
5. D. Shibin, G. Jaspher W. Kathrine,(2019) “An Investigative Report On encryption Based Security Mechanisms for E-Wallets”, International Journal of Scientific and Technology Research, 8(10), pp. 1755-1769, 2019, ISSN 2277-8616, Indexed in Scopus.

6. G. Jasper Willsie Kathrine, (2019) "Biometrics-Based Authentication Scheme for Cloud environment", *Cryptographic and Information Security – Approaches for Images and Videos*, CRC Press – Taylor and Francis Group, ISBN -13: 978-1-1385-6384-1, pp.917 – 944.
7. Shibin D., Kathrine J.W. (2019) "A Secure and Hybrid Approach for Key Escrow Problem and to Enhance Authentic Mobile Wallets" In: Satapathy S., Bhateja V., Das S. (eds) *Smart Intelligent Computing and Applications. Smart Innovation, Systems and Technologies*, vol. 105, pp.81-89. Springer, Singapore.
8. Taurshia A., Kathrine J.W., Shibin D. (2019) Prognostic Views on Software Defined Networks Based Security for Internet of Things. In: Shankar Sriram V., Subramaniaswamy V., Sasikaladevi N., Zhang L., Batten L., Li G. (eds) *Applications and Techniques in Information Security. ATIS 2019. Communications in Computer and Information Science*, vol. 1116. Springer, Singapore, DOI: https://doi.org/10.1007/978-981-15-0871-4_8, ISBN: 978-981-15-0871-4. Indexed in Scopus
9. G. Jasper W. Kathrine, C. Willson Joseph, "Attacks, vulnerabilities and their countermeasures in Wireless Sensor Networks", *Deep Learning Strategies for Security Enhancement in Wireless Sensor Networks*, IGI Global publication, ISBN: 9781799850687. Published yet to be indexed.
10. A. Gulzan Esther, G. Jasper Willsie Kathrine, A. Susanna, D. Shibin,(2018) "Efficient Intrusion Detection using machine learning techniques", *International Journal of Advanced Research in Dynamical and Control Systems*, Vol. 10, Special Issue 03, pp. 1045-1050, 2018. Publisher: Institute of Advanced Scientific Research, Indexed in Scopus. SJR:0.11 10.5281/zenodo.2577634
11. A. Susanna, D. Shibin, G. Jasper Willsie Kathrine, A. Gulzan Esther,(2018), "Enhancing user authentication for mobile wallet using cryptographic mechanism", *International Journal of Advanced Research in Dynamical and Control Systems*, Special Issue 05, pp. 891-897, 2018. Publisher: Institute of Advanced Scientific Research, Indexed in Scopus. SJR:0.11 10.5281/zenodo.2577632
12. R. Venkatesan, G. Jasper W. Kathrine, K. Ramalakshmi, ,(2018) "Internet of Things based pest management using natural pesticides for small scale organic gardens", *Journal of Computational and theoretical nanoscience*, Vol. 15, pp. 2742-2747, 2018.
13. Mr. J. Andrew, Dr. G. Jasper W. Kathrine, (2018) "An Intrusion Detection System using Correlation, Prioritization and Clustering Techniques to Mitigate False Alerts"

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14. Kezi Grace, Dr. G. Jasper W. Kathrine, "A survey on attestation techniques for trusted computing", 3rd International Conference on Electronics and Communication Systems, 2016.
15. M.K Abirami, A. Alfred Raja Melvin, Dr. G. Jasper Willsie Kathrine, "Host based intrusion detection system based on file system approach using basic security module audit data", in proceedings of International Conference on Green, Intelligent Computing and Communication Systems, ICGICCS, 2016.
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17. Mr. J. Andrew, Dr. G. Jasper W. Kathrine, "An Intrusion Detection System using Correlation, Prioritization and Clustering Techniques to Mitigate False Alerts" in proceedings of International Conference on Big data and Cloud Computing, ICBDDC, pp. 22, https://doi.org/10.1007/978-981-10-7200-0_23, 2017.
18. Dr. G. Jasper Willsie Kathrine, "A secure framework for enhancing user authentication in cloud environment using Biometrics", in proceedings of International Conference on Signal Processing and Communication, ICSPC, pp.283-287, 2017. DOI: 10.1109/ICSPC.2017.8305854. Scopus indexed.
19. Shibin. D, Dr. G. Jasper W. Kathrine, "A comprehensive overview on secure offloading in mobile cloud computing", Proceeding of IEEE sponsored 4th International Conference on Electronics and Communication Systems, (ICECS 2017), pp.121-124, 2017, DOI: 10.1109/ECS.2017.8067851. Indexed by Scopus.
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21. Deepa Kanmani, Dr. E. Kirubakaran and Dr. G. Jasper W. Kathrine, "Panoramic View for Skyline Query Processing in Multidimensional Database Environment", in proceedings of IEEE Sponsored International Conference on Recent Advances in Engineering and Technologies, ICRAET-2017, pp.136, 2017.

22. D. Shibin, G. Jasper W. Kathrine, "A secure and hybrid approach for key escrow problem and to enhance authentic mobile wallets", 2nd International Conference on Smart Computing & Informatics (SCI 2018), pp.63, 2018.
23. A. Gulzan Esther, G. Jasper Willsie Kathrine, A. Susanna, D. Shibin, "A Comprehensive Overview on Cloud Server Attacks in Cloud Environment", proceedings of International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC), pp. 509 - 514, 2018. To be indexed in Scopus.
24. A. Susanna, D. Shibin, G. Jasper Willsie Kathrine, A. Gulzan Esther, "Extensive Study on Security Mechanisms for Data Outsourcing in Mobile Cloud Computing", International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC), pp. 336-492, 2018. To be indexed in Scopus.
25. A. Gulzan Esther, G. Jasper Willsie Kathrine, A. Susanna, D. Shibin, "Efficient Intrusion Detection using machine learning techniques", proceedings of International Conference on Engineering and Advancement in Technology, pp. 229, 2018.
26. A. Susanna, D. Shibin, G. Jasper Willsie Kathrine, A. Gulzan Esther, "Enhancing user authentication for mobile wallet using cryptographic mechanism", proceedings of the International conference on Engineering and Advancement in Technology, pp.1, 2018.
27. Rajkumar N., D'Souza A., Alex S., Kathrine G.J.W. (2019) Long Short-Term Memory-Based Recurrent Neural Network Approach for Intrusion Detection. In: Pandian D., Fernando X., Baig Z., Shi F. (eds) Proceedings of the International Conference on ISMAC in Computational Vision and Bio-Engineering 2018 (ISMAC-CVB). ISMAC 2018. Lecture Notes in Computational Vision and Biomechanics, vol. 30, pp. 837-846. https://doi.org/10.1007/978-3-030-00665-5_81. Indexed in Scopus. SJR: 0.17
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36. Alfred Raja Melvin, G. Jaspher W. Kathrine, "The Practicality of using Drakvuf - Virtual Machine Introspection Technique with Machine Learning Algorithms for the Detection of Intrusions in Cloud Computing" Proceedings of 5th International Conference on Recent Trends in Big Data and IoT, 2020. To be published in EAI/Springer Innovations in Communication and Computing.
37. Taurshia Antony, G. Jaspher W. Kathrine, "Software Defined Networks centered group based access control service for Internet of Things applications", Second International Conference on Advances in Cyber Security (ACeS2020), Accepted.