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Publications

International Journals

1. S. Punitha, **A. Amuthan**, K. Suresh Joseph, “An Intelligent Artificial Bee Colony and Adaptive Bacterial Foraging Optimization Scheme for reliable breast cancer diagnosis,” *Recent patents on computer science, Bentham Science, ISSN 2666-2558, Volume 13, 6 Issues, 2020, DOI : 10.2174/266625581399920061814370, June 2020. (Scopus)*
2. C. Kalaiarasy, N.Sreenath, **A.Amuthan**, “An Effective Variant Ring Signature-based Pseudonym Changing Mechanism for privacy preservation in Mixed Zones of Vehicular Networks”, *Journal of Ambient Intelligence and Humanized Computing*, vol. 11, no.4, pp. 1669-1681, ISSN: 1868-5145, April 2020. **(SCI)**
3. **A. Amuthan**, R. Sendhil, “Hybrid GSW and DM based fully homomorphic encryption scheme for handling false data injection attacks under privacy preserving data aggregation in fog computing”, *Journal of Ambient Intelligence and Humanized Computing*, ISSN 1868-5137, DOI 10.1007/s12652-020-01849-8, 2020.**(SCI)**
4. **A.Arulmurugan**, A.Amuthan, “Analytical Network Process-based Adaptive Cluster Head Selection Framework in WSN”, *International Journal of Computer Science and Engineering*, Vol.7, Issue.12, ISSN: 2347-2693, December, 2019. **(Scopus)**
5. **A.Amuthan**, R.Kaviarasan, “Rank Criteria Improved Confidence-based Centroid Scheme for Non Line of Sight Node localizations in Vehicular Networks”, *Journal of King Saud University – Computer and Information Sciences, Elsevier*, Vol.31, Issue.4, pp.415-560, ISSN: 1319-1578 , October 2019. Indexed by **(ESCI)**, **Cite Score: 3.12.**
6. Pillutla Harikrishna, **A. Amuthan**, “Adaptive Self Organizing Maps Inspired SDN-Based DDoS (ASOM-SDN-DDoS) Mitigation Framework,” *International Journal of Scientific & Technology Research*, Vol. 8, Issue 10, pp. 2257-2265, ISSN 2277-8616, Oct. 2019. **(Scopus)**
7. N. Arunachalam, **A. Amuthan**, “Adaptive and Optimized Meta-Heuristic Framework for Establishing QoS and Transaction Properties-based Dynamic Web Service Composition”, *International Journal of Recent Technology and Engineering (IJRTE)*, Vol.8, Issue.3, pp. 7640 – 7644, ISSN:2277-3878, September 2019. **(Scopus)**

8. N. Arunachalam, **A. Amuthan**, "Integrated probability multi-search and solution acceptance rule-based artificial bee colony optimization scheme for web service composition", *Natural Computing*, DoI: doi.org/10.1007/s11047-019-09753-7, ISSN: 1572-9796, July 2019. (SCIE)

9. **A. Amuthan**, R. Kaviarasan, "Hybrid Multi-perspective NLOS Localization Framework (HM-NLOS-LF) for effective node localization in VANETs", *International Journal of Computer Sciences and Engineering*, Vol.7, Issue.6, pp.686-695, ISSN: 2347-2693, June 2019. (UGC)

10. N. Arunachalam, **A. Amuthan**, "A Survey on QoS aware Web Service Selection for Reactive Service Composition", *International Journal of Computer Sciences and Engineering (IJCSE)*, Vol.7, Issue 4, pp .581-587, ISSN: 2347-2693, Apr-2019, (UGC)

11. S.Udhaya Shree, **A.Amuthan**, K.Suresh Joseph, "Integrated Ant Colony and Artificial Bee Colony Optimization Meta Heuristic Mechanism for QoS-based Web Service Composition," *Journal of Computational and Theoretical Nano science*, Vol. 16, Issue. 4, pp. 1444-1453(10), ISSN: 1546-1955, April 2019. Indexed by (ESCI)

12. Harikrishna Pillutla, **Amuthan Arjunan**, "Fuzzy Self Organizing Maps-based DDoS mitigation mechanism for Software Defined Networking in Cloud Computing," *Journal of Ambient Intelligence and Humanized Computing*, <https://doi.org/10.1007/s12652-018-0754-y>, Vol.10, Issue:4, pp: 1547–1559, ISSN: 1868-5137, April 2019. (SCI)

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17. S. Udhaya Shree, **A. Amuthan**, K. Suresh Joseph, "Grenade-Cauchy Operator Integrated Artificial Bee Colony Optimization for Reliable QoS based Web Service

Composition”, *International Journal of Computational Systems Engineering*, Vol. 5, No. 3, pp.161 – 168, ISSN: 2046-3405, 2019. (ESCIE)

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21. A. Arulmurugan, **A. Amuthan**, “Semi-Markov inspired hybrid trust prediction scheme for prolonging lifetime through reliable cluster head selection in WSNs”, *Journal of King Saud University - Computer and Information Sciences*, Elsevier, doi.org/10.1016/j.jksuci.2018.07.006, ISSN: 1319-1578, 17th July 2018. (ESCI), **Cite Score**: 3.12
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23. **Arjunan Amuthan**, Pillutla Harikrishna, “Mean Availability Parameter-based DDoS Detection Mechanism for Cloud Computing Environments,” *In: Zungeru A., Subashini S., Vetrivelan P. (eds) Wireless Communication Networks and Internet of Things. Lecture Notes in Electrical Engineering*, vol 493, pp. 115-122, ISSN: 1876-1100, May 2018. (Scopus)
24. **A.Amuthan**, R.Kaviarasan, “Weighted Distance Hyperbolic Prediction-Based Detection Scheme for Non Line Of Sight nodes in VANETs,” *Journal of King Saud University - Computer and Information Sciences*, Elsevier, Vol.30, Issue.12, pp.141-290 ISSN: 1319-1578, 3rd April 2018. Indexed by (ESCI), **Cite Score**: 3.12
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29. **A.Amuthan**, N.Sreenath, P.Boobalan, K.Muthuraj, "Hyper-Erlang Channel Allocation Factor-based QoS Enhancement Mechanism for Mobile Ad hoc Networks," *Alexandria Engineering Journal*, Vol. 57, Issue.2, pp.799-811, ISSN: 1110-0168, 2017. **Impact Factor: 3.696, (SCIE)**
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