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List of publications

International Journals

1. Gladence, L.M., Anu, V.M., Rathna, R. et al. "Recommender system for home automation using IoT and artificial intelligence", Journal of Ambient Intelligence Humanized Computing (2020). <https://doi.org/10.1007/s12652-020-01968-2>. (**SCIE and Scopus Indexed, Impact Factor-4.594**).
2. Viswanathan.R, Rathna.R, "An Approach on Soft Computing Technique-Based Student Learning System", Journal of Critical Reviews, Volume-7, Issue-9, 2020. (**Scopus Indexed**)
3. Maria Anu, V., Mary Gladence, L., Dhanalakshmi, R., Rathna, R., Usha Nandini, D. "Recommendation and prediction system to control air pollution in selected regions of Chennai" in the *International Journal of Recent Technology and Engineering*. ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019. (**Scopus, Google Scholar Indexed**).
4. Sybi Cynthia, J., Rathna, R. "Fault tolerance & load balanced ad-hoc networks using LRDV routing protocol" in the *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, ISSN: 2278-3075, Volume-8, Issue-9S4, July 2019. (**Scopus, Google Scholar Indexed**).
5. R.Rathna. "Simple Clustering for Wireless Sensor Networks" in Cybernetics and Information Technologies. Volume 16, Issue 1, Pages 57–72, ISSN (Online) 1314-4081, DOI: 10.1515/cait-2016-0004, April 2016. (**Scopus, Web of Science (Thomson Reuters Emerging Sources Citation Index) and Google Scholar Indexed**)
6. K. R. Shabarish Hariharan; Rathna, R. A Cross Layer Distributed Topology Control Algorithm for Mobile Ad Hoc Networks. Indian Journal of Science and Technology, [S.I.], Mar. 2016. ISSN 0974 -5645. doi:10.17485/ijst/2016/v9i10/88885. (**Scopus and Google Scholar Indexed**)
7. Rathna, R.,Densing Moses, S.,Nanda Kishore, C.,Viswanathan, K., Sasipraba, T. "Wireless sensor network for harmful radiation monitoring system and web enablement using OGC interface" in Research Journal of Pharmaceutical, Biological and Chemical Sciences. Vol(7).No(2). ISSN: 0975-8585. Pp.1096-1101. 2016 (**Scopus indexed**)
8. Rathna, R.,Vaiyshnavi, M.P.,Maria Anu, V. "Reduction of energy consumption using self-organizing tree for Wireless Sensor Networks" in Research Journal of Pharmaceutical, Biological and Chemical Sciences. ISSN: 0975-8585 Vol(7).No(2). Pp.1229-1236 (**Scopus indexed**)
9. Sivasankar, S.,Jeffrey Joel Durai, J.,Rathna, R. "Ration shop metadown approach using large scale hierarchical classification" in International Journal of Pharmacy and Technology. Vol (8). No.(2). ISSN: 0975-766X. June 2016. pp.12011-12017 (**Scopus indexed**)

10. Jayakumar, G., Rathna, R. "Prognosis of future hospitalization - Mining historic health insurance claims" in International Journal of Pharmacy and Technology. Vol (8). No.(2). 2016. 11694-11701. ISSN: 0975-766X. **(Scopus indexed)**
11. R. Rathna, R. Dhanalakshmi, T. Sasipraba. (2015), "Centralised against distributed medium access control scheduling for environmental monitoring sensors". IET Wireless Sensor System, Vol.5, No.6, ISSN: 2043-6386, pp. 271 – 276. **(Scopus and Google Scholar Indexed)**
12. R.Rathna, A.Sivasubramanian. (2014), "Energy Conservation in Radiation Monitoring" in the "Journal of Engineering (JER)" , Kuwait University, Vol.2, No.2, 2014. Pages. 123-138. ISSN: 2307-1877. **(Indexed in the Web of Science –Science Citation Index Expanded (SCIE) and also in Scopus – citations: 4)**
13. R.Rathna, A. Sivasubramanian. (2012), "Improving Energy Efficiency in Wireless Sensor Networks through Scheduling and Routing" in the International Journal of Advanced Smart Sensor Network Systems (IJASSN), Vol.2, No.1, ISSN: 2231-4482(online), 2231-5225(print). pp. 21-27. **(Google Scholar Indexed–Citations: 13)**

National Journals

1. R.Rathna, A. Sivasubramanian, Vinoth Kumar. (2014), "Load and Energy Consumption based Scheduling Algorithm for Wireless Sensor Networks (LECSA)" in the Indian Journal of Computer Science and Engineering (IJCSE) Vol.4, No.6, ISSN: 0976-5166. pp.432-437. (Google Scholar Indexed)
2. R.Rathna, A. Sivasubramanian, T. Sasipraba. (2014), "LECSA - A New Scheduling Approach for Radiation Monitoring WSN" in the "Journal of Wireless Communication Networks", April- June 2014 issue. ISSN: 2319-4839 (print) 2320-2351(online).pp. 1-6. (Google Scholar Indexed)