

## **DC Member 3 - 5-year Publication details**

### **Member from Other University**

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Area of Specialization: - **Computer Networks and Security, Data Mining, Machine Learning, Information System Audit and Data analytics**

List of Publications: -

#### **Papers Published in Referred Journals:**

1. S Gunasundari, S Janakiraman, S Meenambal, "Velocity Bounded Boolean Particle Swarm Optimization for improved feature selection in liver and kidney disease diagnosis", Elsevier - Expert Systems with Applications 56, 28-47, 2016, ISSN 0957-4174. IF 4.577, CARE Group A – WoS, SCIE
2. S Gunasundari, S Janakiraman, S Meenambal, "Multiswarm Heterogeneous Binary PSO using Win-Win approach for improved Feature Selection in Liver and Kidney disease Diagnosis", Elsevier - Computerized Medical Imaging and Graphics – Vol. 70, pp.135-154, Dec. 2018, ISSN: 08956111, IF 3.29, CARE Group A – PubMed, Scopus.
3. N. Saravanaselvam , C. Devipriya, S. Janakiraman, " Soft Computing Based Fine Tuning and Clock Synchronization in Wireless Sensor Networks", Springer - Wireless Personal Communications, Vol. 94, Iss. 4, pp 2229–2237, 2016, ISSN: 0929-6212, 1572-834X, Publisher IF 0.701, CARE Group A - WoS.

4. L. Jayakumar, S. Janakiraman, "A novel Need based free channel selection scheme for cooperative CRN using EFAHP-TOPSIS", Elsevier - Journal of King Saud University - Computer and Information Sciences, ISSN: 1319-1578, 2019 (In press), SNIP:1.897, CARE Group A, Scopus, ESCI.
5. L. Jayakumar, S. Janakiraman, "Optimal Spectrum-Hole Detection Scheme for Cooperative CRN Using Dynamic Weighted VIKOR", International Journal of Enterprise Information Systems (IJEIS)16(1), 2020 |Vol. 16 Iss. 1, pp. 1 – 24, ISSN: 1548-1115, EISSN: 1548-1123. Indexed in ABDC, Cabell's Directory, WoS ESCI, Scopus, CARE Group A
6. L. Jayakumar, Ankur Dumka, S. Janakiraman, "Energy aware Dynamic Mode Decision for Cellular D2D Communications by using Integrated Multi-Criteria Decision Making model", International Journal of Ambient Computing and Intelligence (IJACI), publisher: IGI Global, ISSN: 1941-6237, Vol. 11, Issue. 3, Article 7 – 2020. Indexed in WoS ESCI, Scopus, Cabell's Directory, CARE Group A
7. Bejoy B J, Janakiraman S, 2018, "A Generic Framework for Intrusion Detection using Cyber Immune Systems", Journal of Web Engineering, Vol. 17, No.6, pp. 2757-2768, ISSN: 1540-9589 (Print); ISSN 1544-5976 (Online),CARE Group A, SCIE ( IF 0.311).
8. Saravanan, D., S. Janakiraman, K. Chandraprabha, T. Kalaipriyan, R. S. Raghav, and S. Venkatesan. "Augmented Powell-Based Krill Herd Optimization for Roadside Unit Deployment in Vehicular Ad Hoc Networks." Journal of Testing and Evaluation 47 (6), <https://doi.org/10.1520/JTE20180494>, IF: 0.734, ISSN: 0090-3973, CARE Group A - WoS, SCI, SCIE, Scopus.
9. S Gunasundari, S Janakiraman, S Meenambal, "Embedded Binary PSO Integrating classical methods for Multilevel Improved Feature Selection in liver and kidney disease diagnosis", International Journal of Biomedical Engineering and Technology, ISSN online: 1752-6426, ISSN print: 1752-6418, Article in Press, Published in online, Inderscience Publishers. CARE Group A - WoS.
10. Nallasivan G, Janakiraman S., "Analysis of CT lung images using orthogonal moment features", International Journal of Biomedical Engineering and Technology, 24(2), pp. 121–132, ISSN online: 1752-6426, ISSN print: 1752-6418, Inderscience Publishers. CARE Group A - WoS.
11. Suthir S, Janakiraman S, 2017, "SNT Algorithm and DCS Protocols coalesced a Contemporary Hasty File Sharing with Network Coding Influence" in Journal of Engineering Research, ISSN: 2307-1877, CARE Group A – WoS, SCIE, Scopus.

12. H. Paulin, R. Milton, S. JanakiRaman, and K. Chandraprabha, "Audio–Visual (Multimodal) Speech Recognition System Using Deep Neural Network," *Journal of Testing and Evaluation*, Vol. 47 (6) (in press). <https://doi.org/10.1520/JTE20180505>. IF: 0.721, CARE Group A - WoS, SCI, SCIE, Scopus
13. K. Umamaheswari, S. Janakiraman, and K. Chandraprabha, "Multilevel Hybrid Firefly-Based Bayesian Classifier for Intrusion Detection in Huge Imbalanced Data," *Journal of Testing and Evaluation* 49 (in press). <https://doi.org/10.1520/JTE20180501>. IF: 0.721, CARE Group A - WoS, SCI, SCIE, Scopus
14. I. Manimozhi, S. Janakiraman, 2018, "Defect Detection in Pattern Texture Analysis Using Improved Support Vector Machine", *Cluster Computing*, <https://doi.org/10.1007/s10586-018-2551-y>, IF : 2.040, Springer US. CARE Group A – WoS, SCIE, Scopus.
15. Sivakumar, V., Subbiah Janakiraman, and K. Chandraprabha. "Improving Energy Efficiency in Wireless Sensor Networks through Virtual-Backbone–Based Topology Control Mechanism", 2019/3/11, *Journal of Testing and Evaluation*, Vol. 47 (6), <https://doi.org/10.1520/JTE20180411>, IF: 0.721, CARE Group A - WoS, SCI, SCIE, Scopus.
16. Manimozhi I, Janakiraman S, 2016, 'Defect Detection in Pattern Texture Analysis Based on Kernel Selection in Support Vector Machine', *Indian Journal of Science & Technology*, Vol. 9, Issue. 45, DOI: 10.17485/ijst/2016/v9i45/106501, ISSN: 0974-6846 CARE Group A – WoS, SCIE, Scopus.