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Puducherry 605 014.Educational Qualification : **B.E., M.E.(CSE), Ph.D.(CSE), M.B.A.,**Teaching and Research Experience : **17 years****RESEARCH PUBLICATIONS**Papers in Referred Journals : **41(SCI, SCIE, Scopus, Google Scholar)**Papers in International / National Conferences: **52**

<u>Citation indices</u>	All	Since 2012
<u>Citations</u>	134	115
<u>h-index</u>	8	8
<u>i10-index</u>	4	3

Area of Specialization**Medical Image Processing, Machine Learning, Computer Networks and Security, Data Analytics,****Papers Published in UGC Approved Journals**

- 1 Audio–Visual (Multimodal) Speech Recognition System Using Deep Neural Network
H. Paulin, R. Milton, S. JanakiRaman, and K. Chandrababha Journal of Testing
and Evaluation, Indexed in SCI, SCIE, WoS, Scopus, CARE Group A Vol. 47, Iss. 6, 3963
– 3974 2019 0.721
- 2 Energy efficient cooperative CRN spectrum sharing using multi-level hierarchical
clustering with MCDM Jayakumar L, Janakiraman S, Ankur Dumka, P. Victor Paul
Inderscience - International Journal of Communication Networks and Distributed
Systems - ISSN online: 1754-3924 ISSN print: 1754-3916, Indexed in Scopus, CARE
Group A Vol.22, No.2, pp.196-244 2019 0.38
- 3 Augmented Powell-Based Krill Herd Optimization for Roadside Unit Deployment in
Vehicular Ad Hoc Networks Saravanan, D., S. Janakiraman, K. Chandrababha, T.
Kalaipriyan, R. S. Raghav, and S. Venkatesan Journal of Testing and Evaluation,
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- 4 Embedded Binary PSO Integrating classical methods for Multilevel Improved Feature
Selection in liver and kidney disease diagnosis S Gunasundari, S Janakiraman, S
Meenambal Inderscience - International Journal of Biomedical Engineering and

Technology, ISSN online: 17526426, ISSN print: 17526418, Indexed in ESCI, Scopus, Cabell Directories, CARE Group A Vol 31, No. 2, pp 105-136 2019 0.61

- 5 Optimal Spectrum-hole detection scheme for Cooperative CRN using dynamic weighted VIKOR L. Jayakumar, S. Janakiraman, Ankur Dumka IGI Global - International Journal of Enterprise Information Systems, ISSN: 1548-1123, Indexed in WoS, ESCI, Scopus, ABDC Vol 15, Iss 4, Article 6 2019 SNIP 0.622
- 6 A novel Need based free channel selection scheme for cooperative CRN using EFAHP-TOPSIS L. Jayakumar, S. Janakiraman Elsevier - Journal of King Saud University - Computer and Information Sciences, ISSN: 1319-1578, Indexed in SCIE, WoS, Scopus, CARE Group A In press, Published online September 2019 2019 SNIP 1.897
- 7 SNT Algorithm and DCS Protocols coalesced a Contemporary Hasty File Sharing with Network Coding Influence Suthir S, Janakiraman S Journal of Engineering Research, ISSN: 23071877, e-ISSN: 23071885, Indexed in WoS & Scopus, CARE Group A Vol.6, No.3, pp.1-15 2018 SNIP 0.541
- 8 Defect Detection in Pattern Texture Analysis Using Improved Support Vector Machine Manimozhi I, Janakiraman S Springer - Cluster Computing, The Journal of Networks, Software Tools and Applications, ISSN: 13867857,15737543, Indexed in SCIE, Scopus, CARE Group A pp 1- 8, <https://doi.org/10.1007/s10586-018-2551-y> 2018 1.601
- 9 Multiswarm Heterogeneous Binary PSO using Win-Win approach for improved Feature Selection in Liver and Kidney disease Diagnosis S Gunasundari, S Janakiraman, S Meenambal Elsevier - Computerized Medical Imaging and Graphics - ISSN: 08956111, Indexed in Web of Science, Scopus, CARE Group A 70(2018) pp.135-154 2018 2.435
- 10 Enhanced ais based intrusion detection system using natural killer cells Bejoy B.J., Janakiraman S Springer - Cluster Computing, The Journal of Networks, Software Tools and Applications, ISSN: 13867857,15737543, Indexed in SCIE, Scopus, CARE Group A Accepted for Publication 2018 1.601
- 11 Intrusion Detection on Large Imbalanced Data using Hybridized Firefly Algorithm (HFA) Umamaheswari K, Janakiraman S Journal of Advanced Research in Dynamical and Control Systems - ISSN: 1943023X - Indexed in Scopus, CARE Group A Vol. 9, pp:1599-1612 2017 RGIF 0.22, SJR 0.18
- 12 An Edge Exposure using Caliber Fuzzy C-means With Canny Algorithm Gowri J, Janakiraman S Indonesian Journal of Electrical Engineering and Computer Science, ISSN: 25024752 e-ISSN: 25024760, Indexed in Scopus, CARE Group A Vol. 8, No. 1, pp. 59 ~ 68 DOI: 10.11591/ijeecs.v8.i1.pp59-68 2017 SJR 0.18
- 13 Artificial Immune System Based Intrusion Detection Systems-A Comprehensive Review Bejoy B.J., Janakiraman S International Journal of Computer

Engineering & Technology, ISSN: 09766367, 09766375, CARE Group A Vol. 8, Iss. 1, pp. 85–95 2017 IBIF 3.1

- 14 Dynamic virtual server for optimized Web service interaction Jayakumar L., Janakiraman, S., Latchoumi, T.P., Shanthoshini, B International Journal of Pure and Applied Mathematics - ISSN: 13118080, 1314-3395, Indexed in Scopus, CARE Group A Vol 117, Iss 19 Special Issue, 2017, Pages 371-376, CARE Group A 2017 7.19 RGIF 0.29
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- 16 Path planning of autonomous mobile robots: A survey and comparison VICTERPAUL, P., SARAVANAN, D., JANAKIRAMAN, S., PRADEEP, J. Journal of Advanced Research in Dynamical and Control Systems - ISSN: 1943023X - Indexed in Scopus, CARE Group A Vol 9, Iss. Special Issue 12, 2017, Pages 1535-1565 2017 RGIF 0.22, SJR 0.18
- 17 Soft Computing Based Fine Tuning and Clock Synchronization in Wireless Sensor Networks N. Saravanaselvam, C. Devipriya, S. Janakiraman Springer - Wireless Personal Communications - ISSN: 09296212, 1572834X, Indexed in Web of Science, Scopus, CARE Group A Vol. 94, Iss. 4, pp 2229–2237 2016 1.2
- 18 T2AR: trust-aware ad-hoc routing protocol for MANET Gayathri D, Janakiraman S SpringerPlus - Indexed in Web of Science, Scopus and PubMed Central, ISSN: 21931801, CARE Group A 2016 5:995 DOI: 10.1186/s40064-016-2667-6 2016 0.982
- 19 Analysis of CT lung images using orthogonal moment features Nallasivan G, Janakiraman S Inderscience - International Journal of Biomedical Engineering and Technology, ISSN online: 17526426, ISSN print: 17526418, Indexed in ESCI, Scopus, CARE Group A 24(2), pp. 121–132 2016 0.61
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- 22 Robust Color image segmentation using efficient Soft-computing techniques: A survey Gowri J, Janakiraman S American International Journal of Research in

Science, Technology, Engineering & Mathematics, ISSN(P): 2328-3491, (O): 23283580, CARE Group A Vol 2, Iss 5, pp: 135-139 2013 IFCV 5.01

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- 1 A Survey of Fast File Sharing System in Network Suthir S, Janakiraman S International journal of Engineering Development and Research, ISSN: 23219939 Vol. 5, Iss: 2, pp. 1298-1304 2017 JIF 5.67
- 2 Defect Detection in Pattern Texture Analysis Based on Kernel Selection in Support Vector Machine Manimozhi I, Janakiraman S Indian Journal of Science & Technology - ISSN: 09745645 Vol. 9, Iss. 45, DOI: 10.17485/ijst/2016/v9i45/106501 2016 IC IF 5.02
- 3 Comparative Performance analysis of Trust implemented AODV with AODV under the Black hole Attack in MANETs Gayathri D, Janakiraman S International Journal of Research in Engineering and Technology vol. 5(1), pp. 221-224 2016 0
- 4 A Novel Node Selection Function for Multilevel Hierarchical Clustering Scheme in Cooperative Cognitive Radio Networks Jayakumar L, Oviya. S, Shobana. R and S. Janakiraman International Journal of Control Theory and Applications - ISSN: 0974-5572 - Indexed in Scopus 9(3), 2016, pp. 221-233 2016 0.74
- 5 An Overview about Major Research Problems in Cooperative Cognitive Radio and its Feasible Solutions Jayakumar L, Janakiraman S International Journal of Control Theory and Applications - ISSN: 0974-5572 - Indexed in Scopus 9(19), pp. 9251-9265 2016 0.74
- 6 A Framework-The Secure Routing and Watchdog System with Multi-Channel Sigryption in Wireless Adhoc Sensor Networks Rajasoundaran S, Narayanasamy P, Janakiraman.S Asian Journal of Information Technology - ISSN: 19935994 15(5), 916-920, 2016. DOI: 10.3923/ajit.2016.916.920 2016 0.35
- 7 A Hybrid Secure Routing and Monitoring Mechanism using Authorized and Concealed Arbitrary Watchdogs in Wireless Sensor Networks Rajasoundaran S, Narayanasamy P, Janakiraman.S Asian Journal Of Research In Social Sciences And Humanities - ISSN: 22497315 6(8) Pg: 960-985 2016 SJIF 5.997
- 8 A Simple Computational Approach for the Texture Analysis of CT Scan Images Using Orthogonal Moments Nallasivan G, Janakiraman S Circuits and Systems - ISSN Print: 21531285 ISSN Online: 21531293 7 (08), 1884 2016 Google based IF 1.07

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- 10 Impact of Black Hole Attack at Different positions in Trust Implemented AODV routed MANETs Gayathri D, Janakiraman S International Journal of Emerging Technologies in Computational and Applied Sciences, ISSN: 22790047 Vol. 1(16), pp. 50-53 2016 IFCV 6.2
- 11 A Malicious Discovery Exposure Scheme Towards Resourceful Reliance Authority in Delay Forbearing Network Suthir S, Janakiraman S International Journal of Science, Technology & Management, ISSN: 23941529 Vol. 4, Issue. 03, pp. 228-233 2015 JIF 2.012
- 12 Simulation of Data mining Classifiers (Bayes, Function, Tree) using Weka Umamaheswari K, Janakiraman S Jamal Academic Research Journal Special Issue, pp:119-124 2015 0
- 13 Fashionable and Effectual Collective Area Setup in Node-to-Node Message Suthir S, Janakiraman S International Journal of Software and Web Sciences, ISSN: 2279-0063 Vol. 1, Issue. 7, pp. 08-12 2014 IFCV 5.88
- 14 A Hybrid Network Model for Increasing Bandwidth Using Nano Communication Suthir S, Janakiraman S International Journal of Scientific & Engineering Research, ISSN: 22295518 Vol.5, pp. 222-225 2014 JIR 4.2
- 15 Trust Implementation in AODV Protocol: A Survey Gayathri D, Janakiraman S International Journal of Software and Web Science, ISSN(P): 2279-0063, (O): 2279-0071 Vol. 1(7), pp. 57-61 2014 IFCV 5.88
- 16 A Novel Method for Image Segmentation Using Fuzzy Threshold Selection Gowri J, Janakiraman S International Journal of Emerging Technologies in Computational and Applied Sciences, ISSN (O): 22790055, (P): 22790047 Vol 1, Iss 7, pp: 101 – 105 2014 IFCV 6.2
- 17 A latest efficient edge detection Approach using Sobel with HDL Coder and Ant colony Technique Gowri J, Janakiraman S International Journal of Advanced Research in Computer Science and Software Engineering, ISSN: 2277 128X Vol. 4, Iss 12, pp: 300 – 304 2014 JIF 2.5
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- 19 A Study of Textural Analysis Methods for the Diagnosis of Liver Diseases from Abdominal Computed Tomography S Gunasundari, S Janakiraman International Journal of Computer Applications 74(11):7-12 2013 0.702

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