

## **DC Member 1 - 5-year Publication details**

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List of Publications: -

#### **Research Publications**

1. R.Kesavamoorthy, K.Ruba Soundar “Swarm intelligence based autonomous DDoS attack detection and defense using multi agent system”, International Journal of Cluster Computing, Springer, Vol.22, Issue 4, pp.9469-9476, July 2019, DoI: 10.1007/s10586-018- 2365-y (ISSN: 1573-7543) IF:2.040
2. S. Muthukumar and K. Ruba Soundar, “FSSAM: Detecting Wormhole Occurrence Using Five Stage Security Analysis Model in MANET”, International Journal on Applied Mathematics & Information Sciences, Vol. 13 (2019).
3. Manoharan S.N. and Ruba Soundar K (2019), “A Novel Securable Fuzzy Logic Based Ranking Scheme for Document Searching on Outsourced Cloud Data”, An International Journal on Wireless Personal Communications, Vol.80, Issue 3, January 2019, DoI : <https://doi.org/10.1007/s11277-018-6108-4>, (ISSN : 0929-6212) Impact Factor : 0.32.
4. Lekshmi K, Ruba Soundar K, et.al., (2018), “Segmentation of Hepatocellular carcinoma and Dysplastic Liver Tumors in Histopathology images using Area based Adaptive Expectation Maximization”, International Journal on Multimedia Tools and Applications, Springer Publications. Vol.77, Issue 2, pp.1761-1782, Jan. 2018, DoI : 10.1007/s11042- 016-4260-y (ISSN : 1380-7501, EISSN : 1573-7721) Impact Factor : 1.403, SNP 0.944, SJR : 0.408.

5. S.Divyalakshmi and K.Ruba Soundar, "Effective Storage Architecture for Evaluation of De-Duplication in Cloud Environment", International Journal of Science and Engineering Research, Vol.6, Issue 3, pp.2072-2076, March 2018 (ISSN : 3221 568X, EISSN : 3221 5687).
6. D.Suvathi and K.Ruba Soundar, "Image Cloud Processing for Big Data using Static Image Cloud Processing with Hadoop", International Journal of Creative Research Thoughts, Vol.6, Issue 2, pp.1549-1554, April 2018 (ISSN : 2320-2882).
7. Priya, L.R., Ruba Soundar, K., "LTE: An Enhanced Hybrid Domain Downlink Scheduling", Elsevier journal on Cognitive Systems Research (2018), Vol.52, Dec.2018, pp.550-555, doi: <https://doi.org/10.1016/j.cogsys.2018.07.013> (IF : 1.425, SNIP : 1.038, SJR : 0.303)
8. Kavitha Nagarathinam and Ruba Soundar Kathavarayan "Moving Shadow Detection Based on Stationary Wavelet Transform and Zernike Moments", IET Computer Vision, Vol.12. Issue 6, September 2018, pp.787-795, DOI 10.1049/iet-cvi.2017.0273 (Impact Factor: 1.087, ISSN: 1751-9632, EISSN:1751-9640, SNIP:0.613, SNR:0.289)
9. Thanga Mariappan L and Ruba Soundar K (2018), "Isolating Wormhole Attack in Wireless Sensor Networks Using Optimal Approach", Sensor Letters, American Scientific Publishers, Vol.16, Issue 8, August 2018, DoI : 10.1166/sl.2018.4007, pp.642-650 (ISSN : 1546-198X, EISSN : 1546-1971) Impact Factor : 0.32.
10. Azhagammal Algarsamy and Ruba Soundar Kathavarayan, "A Survey paper on Deep Belief Network for Big Data" International Journal of Computer Engineering & Technology (IJCET), (ISSN:0976-6375), Volume 9, Issue 5, September-October 2018, pp. 161-166.
11. Azhagammal Algarsamy and Ruba Soundar Kathavarayan, "Classification with Deep Belief Network for large Dataset" Journal of Emerging Technologies and Innovative Research (JETIR) (ISSN: 234-5162), Volume 5, Issue 10, October 2018.
12. Azhagammal Algarsamy and Ruba Soundar Kathavarayan, "Classification with MapReduce Based Deep Belief Network" International journal of Applied Engineering Research (IJAER) (ISSN: 073-4562) Volume 13, Number 21 (2018).
13. Azhagammal Algarsamy and Ruba Soundar Kathavarayan, "Classification with Modified Deep Belief Network for Large Dataset", International Journal of Engineering Research and Technology (IJERT) z(ISSN: 0974-3154) Volume 11, Number 10 (2018).

14. Ramar, C.K. and Ruba Soundar, K. (2017), "Spatio Temporal Error Adaptation Model (STEAM) for Energy Efficient Wireless Data Gathering", Asian Journal of Research in Social Sciences and Humanities, Vol.7, Issue 3, Mar. 2017, pp.460-480 (ISSN : 2250-1665, EISSN No. 2249-7315), DoI:10.5958/2249-7315.2017.00183.6.
15. R.Vedha Priya Vadhana, K.Ruba Soundar (2017), "A Novel Video Inpainting Technique Based on Digital Notch Filtering Method", Journal of Computational and Theoretical Nanoscience. Vol.14, No.2, 2017 (ISSN : 1546-1955, EISSN : 1546-1963). Impact Factor : 1.666, SNP 0.944, SJR : 0.32, pp.1239-1244.
16. Kavitha N and Ruba Soundar K "Moving Shadow Detection Based on Stationary Wavelet Transform", EURASIP Journal on Image and Video Processing, July 2017:49. (Impact Factor: 1.742, ISSN: 1687-5281)
17. J.Sheeba Mercy, K.Ruba Soundar and M.Piramu, "Blowfish Ciphering based Provable Multicopy Dynamic Data Possession in Cloud Computing", International Journal of Advanced Research in Electronics and Communication Engineering, (ISSN No. 2278-909X), Vol.5, No.4, April 2016, pp.1096-1101.
18. Mariappan, L. and Ruba Soundar, K. (2016) Isolating Wormhole Attack in Wireless Sensor Networks. Circuits and Systems, 7, 2036-2046. doi: 10.4236/cs.2016.78177 (ISSN No. 2153-1285, SCI Indexed Impact Factor : 0.95).
19. Ramar, C.K. and Ruba Soundar, K. (2016), "Prediction based Energy and Delay Aware Data Aggregation for Wireless Sensor Networks", International Journal of Advanced Engineering Technology, Vol.VII, Issue II, April – June 2016, 1286-1292. (EISSN No. 0976-3945).
20. R.Kesavamoorthy and K.Ruba Soundar, "Swarm Intelligence based Autonomous DDoS Attack Detection and Defense Using Multi Agent System", International Journal of Printing, Packaging and Allied Sciences, Vol.4, Issue 1, Dec. 2016. (pp.352-363). (ISSN : 2320-4387).
21. Kavitha Nagarathinam and Ruba Soundar Kathavarayan, "Moving Shadow Detection in Videos using HSI Color Space along Hue Singular Pixels", International Journal of Printing, Packaging and Allied Sciences, Vol.4, Issue 2, Dec. 2016. (pp.1217-1225). (ISSN: 2320-4387).

#### **List of Publications in International Conferences**

1. Sivaranjani C, Lekshmi K, Ruba Soundar K, et.al., "Real-Time Identification of Medicinal Plants using Machine Learning Techniques", IEEE Sponsored International Conference on Computation Intelligence in Data Science (ICCIDS 2019) organized at SSN college of Engineering during 21-23, Feb.2019.

2. N. Kavitha, K. Ruba Soundar, et.al., (2019), "Intellectual Human-Object Classification Using Genetic Algorithm", 2019 Advances in Science and Engineering Technology International Conferences (ASET), DOI : 10.1109/ICASET.2019.8714202 (IEEE) (2019).
3. JeyaSankaraKuberan.D and Ruba Soundar.K "Mining Human Activity Patterns From Smart Home Big Data For Health Care Applications", Proceedings of the 8th National Conference on Recent Trends In Computing, Communication And Technology (Recant'18) held at PSR Engineering College, Sivakasi on 16th and 17th March 2018
4. R.Aarthi, K.Ruba Soundar, "Analysis of Network Attack and Mitigation of Energy Times of Wireless Nodes", Proceedings of International Conference on Recent Trends in Engineering Education held at PSR Engineering College on 05th and 06th October 2018.
5. P.Elamparithi and K.Ruba Soundar, "Optimized Black Hole Attack Detection Mechanism with Reliable and Secured Routing in MANET Environment", International Conference on Innovations in Science, Technology and Management towards Sustainability held at PSR Engineering College, Sivakasi on November 10, 2017, pp.53 ISBN 978-93-86146-37-3.
6. D.Suvathi and K.Ruba Soundar, "Image Cloud Processing for Big Data", International Conference on Innovations in Science, Technology and Management towards Sustainability held at PSR Engineering College, Sivakasi on November 10, 2017, pp.37 ISBN 978-93-86146-37-3.
7. S.Divyalakshmi and K.Ruba Soundar, "Application Aware Independent Deduplication for Big Data", International Conference on Innovations in Science, Technology and Management towards Sustainability held at PSR Engineering College, Sivakasi on November 10, 2017, pp.39 ISBN 978-93-86146-37-3.