

Name	: Dr.N.Suresh Kumar
Designation	: Associate Professor
Department	: Department of Computer Science & Engg. Institute: Vellore Institute of Technology
Mobile	: 09994519950
Email	: sureshkumar.n@srec.ac.in

### **List of Publications (for the past 5 years)**

1. K.C. Sreedhar and N. Suresh Kumar, "Green Personalized Privacy Preservation of E-Health Data through Multi-Objective Weighted Clustering and Optimal Item Set Mining", JARDCS, Volume 12, Issue4, pp 338-350, 2020
2. K.C. Sreedhar and N. Suresh Kumar, "Privacy Preservation of E-Health Data in Cloud through Optimal Item Set Mining", JARDCS, Volume 12, Issue1, 2020
3. Natteshan N V S, N. SureshKumar, "AN IMPORTANCE SAMPLING UNSCENTED KALMAN FILTER AND DISCONTINUITY ADAPTIVE NON LOCAL MEANS FILTER APPROACH FOR REMOVING THE SPECKLE NOISE FROM SAR FLOOD IMAGES", Journal of Advanced Research in Dynamical and Control Systems, Vol. 9. Sp– 17, pp 1830-1838, 2017
4. Natteshan N V S, N. SureshKumar, "An Effective Hybrid Algorithm for De-Speckling the Speckle Noise in SAR Images", International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-1S, October 2019
5. Natteshan N V S, N. SureshKumar, "Crop Detection and Classification using Remote Sensing Images", International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-12S, October 2019
6. Natteshan N V S, N. SureshKumar, "Effective SAR Image segmentation and classification of crop areas using MRG and CDNN techniques", European Journal of remote sensing, ISSN: 22797254
7. Lincy, S. B. T., & Nagarajan, S. K. (2019). A Distributed Support Vector Machine Using Apache Spark for Semi-supervised Classification with Data Augmentation. In *Soft Computing and Signal Processing* (pp. 395-405). Springer, Singapore.

8. Sony, P., &Sureshkumar, N. (2019). Concept-Based Electronic Health Record Retrieval System in Healthcare IOT. In *Cognitive Informatics and Soft Computing* (pp. 175-188). Springer, Singapore.
  
9. BlessyTrenciaLincy.S.S. and Suresh Kumar, N., 2018. MR-mRMR Feature Selection Approach with an Incremental Classifier Model in Big data. *International Journal of Pharmaceutical Research*, 10(4), pp.365-379.
  
10. BlessyTrenciaLincy.S.S. and Suresh Kumar, N., 2018. An Effective Ensemble Model for Performance Optimization and Predictive Analytics in the Healthcare. *Journal of Computational and Theoretical Nanoscience*. 15(8), pp.2014–2022.
  
11. Lincy, S. B. T., & Kumar, N. S. (2018). Transforming Healthcare Via Big Data Analytics. In *Computational Intelligence for Multimedia Big Data on the Cloud with Engineering Applications* (pp. 319-334). Academic Press
  
12. Kumar, N. S., Arun, M., &Dangi, M. K. (2018). Remote sensing image retrieval using object-based, semantic classifier techniques. *International Journal of Information and Communication Technology*, 13(1), 68-82.
  
13. Sreedhar, K. C., & Suresh Kumar, N. (2018). An optimal cloud-based e-healthcare system using k-centroid MVS clustering scheme. *Journal of Intelligent & Fuzzy Systems*, 34(3), 1595-1607.
  
14. Basu, S., & Kumar, S. (2017). Automated Detection of Focal Cortical Dysplasia Lesions from MRI Scans of Epilepsy Patients. *International Journal of Tomography & Simulation™*, 30(3), 59-68.
  
15. Vyavahare, T., Tekade, D., Nayak, S., &Lincy, S. B. T. (2017, November). Enhanced rearrangement technique for secure data transmission: case study credit card process. In *IOP Conference Series: Materials Science and Engineering* (Vol. 263, No. 4, p. 042102). IOP Publishing.
  
16. Dave, G. P., Sureshkumar, N., &Lincy, S. B. T. (2017, November). Performance evaluation of throughput computing workloads using multi-core processors and graphics processors. In *IOP Conference Series: Materials Science and Engineering* (Vol. 263, No. 4, p. 042101). IOP Publishing.
  
17. Gopinath, M. P., Prabu, S., Murali, S., Mohanasundaram, R., & Kumar, N. S. (2017). A Computer Aided System To Detect Breast Masses Using Digital, 8(12), 309–315.

18. Kumar, S., Jain, H. A. R. S. H. I. T., & ESHWA, S. C. (2017). Leprosy Detection Using Image Processing And Deep Learning. *Journal of Global Pharma Technology*, 9(9).
19. Dave, G. P., Sureshkumar, N., & Lincy, S. B. T. (2017, November). Performance evaluation of throughput computing workloads using multi-core processors and graphics processors. In *IOP Conference Series: Materials Science and Engineering* (Vol. 263, No. 4, p. 042101). IOP Publishing.
20. Mohanasundaram, R., Kumar, N. S., Ashok, V., & Poorani, S. (2017). Congestion Control Using Congestion Free Routers, 117(15), 287–298. Natesan, Suresh Kumar. N.
21. "A survey on various methods of potential fishing zone identification ", volume no.9, issue no:40, pp 697-703, *International Journal of Control Theory and Applications*, 2016.
22. Singh, S., Kedia, P., & Nagarajan, S. K. (2017). Android controlled autonomous robot car. *International Journal of Enterprise Network Management*, 8(3), 235-246.
23. Blessy Trencia Lincy. S. S., Suresh Kumar. N., "Enhanced Predictive Model for HealthCare Analytics – A Case Study on Diabetes Mellitus " *Journal of Engineering and Applied Sciences*, ([www.medwelljournals.com](http://www.medwelljournals.com)), 2017.
24. Suresh Kumar. N, Shantharajah. S. P., Senthil Murugan. B., X. Z. Gao, "Satellite Image Processing for Biomass Estimation", *Journal of Global Pharma Technology (JGPT)*.
25. "Survey of Workflow Management Tools for Grid Computing Environment", Suresh Kumar N, School of Computing Science and Engineering, VIT University, Vellore, Tamilnadu, India. *International Journal Of Pharmacy & Technology*.
26. Balakrishnan, S. M., & Nagarajan, S. K. Performance Analysis of Ant Colony Optimization and Genetic Algorithm for Cloud Load Balancing, 2016.
27. "Identification of Green Ratio in Geographical Map Using Image Processing Techniques", Suresh Kumar, Associate Professor, VIT University, Vellore, Tamilnadu, IJPT | Dec-2016 | Vol. 8 | Issue No.4 | 21619-21628.
28. Kumar, N. S., & Arun, M. (2016). Accuracy analysis of various classification algorithms for used land. *International Journal of Enterprise Network Management*, 7(2), 113-132.
29. Kumar, N. S., & Arun, M. (2017). Genetic algorithm-based feature selection for classification of land cover changes using combined LANDSAT and ENVISAT images. *International Journal of Bio-Inspired Computation*, 10(3), 172-187.

30. Kumar, N. S., & Arun, M. (2015). Enhanced classification algorithms for the satellite image processing. *Indian Journal of Science and Technology*, 8(15).
31. Kumar, N. S., & Manoharan, A. Deforestation Identification Model using Satellite Images by Color Based Segmentation. 2015.
32. Kumar, N. S., Anuncia, S. M., & Prabu, M. (2014). Fuzzy-Based Satellite Image classification to find Greenery and Used Land. *International Journal of Tomography & Simulation™*, 25(1), 75-85.
33. Kumar, S., Anuncia, M., Johnson, S., Agarwal, A., & Dwivedi, P. (2012, December). Agriculture change detection model using remote sensing images and GIS: Study area Vellore. In *Radar, Communication and Computing (ICRCC), 2012 International Conference on* (pp. 54-57). IEEE.
34. Maiti, A., & Kumar, S. K. Y. N. S. Applying Enhanced k-Nearest Neighbor Approach On Satellite Images for Forest Biomass Estimation of Vellore District. 2012.
35. Nagarajan, S. K., & Saravanan, S. (2012). Content-based medical image annotation and retrieval using perceptual hashing algorithm. *International Organisation of Scientific Research Journal*, 2(4), 814-818.
36. Kumar, N. S., Anuncia, S. M., & Prabu, M. (2013). Application of Satellite Remote Sensing to find Soil Fertilization by using Soil Colour: study area Vellore District, Tamil Nadu, India. *International Journal of Online Engineering (iJOE)*, 9(2), 44-49.
37. Nagarajan, S. K., & Anuncia, S. M. (2010). Identifying Grades of Glioma using support vector machine recursive feature elimination. *International Journal of Advanced Research in Computer Science*, 1(4).
38. Kumar, N., & Shanker, K. (2000). A genetic algorithm for FMS part type selection and machine loading. *International Journal of Production Research*, 38(16), 3861-3887.
39. Kumar, N., & Shanker, K. (2001). Comparing the effectiveness of workload balancing objectives in FMS loading. *International Journal of Production Research*, 39(5), 843-871.