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### Books Published

1. C.Akalyadevi, **B.Surendiran**, K.E. Kannammal, “**A Software Fault Prediction Model by Hybrid Feature Selection and Hybrid Classifier Approach**”, LAP Lambert Academic Publishing, ISBN: 978-3-659-14481-3, USA, 2012

### International Journal Publications

1. B.Surendiran, P.Ramanathan, A.Vadivel, “Effect of BIRADS shape descriptors on Breast Cancer Analysis”, **International Journal of Medical Engineering and Informatics, Inderscience**, Vol. 7(1), pp:65-79, **2015, Impact Factor=0.15. (Scopus Indexed)**  
DOI: 10.1504/IJMEI.2015.066244
2. Sunit Sivaraj, B.Surendiran, M.Hariharan, “MRI Brain Tumour Image Retrieval Using Low Level Features and High Level Semantics “, **International Journal of Medical Engineering and Informatics, Inderscience**, Vol. 8(1), pp:58-70,2016, **Impact Factor=0.15. (Scopus Indexed)**
3. K Keerthi Vasan, B Surendiran, Feature subset selection for intrusion detection using various rank-based algorithms, *International Journal of Computer Applications in Technology* , Inderscience, vol 55(4), pp-298-307, 2017 **Scopus Indexed**.
4. Keerthi Vasan k and Surendiran B, Dimensionality reduction using Principal Component Analysis for network intrusion detection, *Perspectives in Science*, **Elsevier** , Vol. 8, 2016, pp. 510-512. **(SCI, Scopus indexed)**
5. Venkatraman, S., B. Surendiran, & Arun Raj Kumar P., Hybrid Network Intrusion Detection System for Smart Environment based on Internet of Things, *The Computer Journal*, Oxford University Press, SCIE Impact Factor 0.792 , Volume 62, Issue 12, December 2019, Pages 1822–1839.
6. P. R. Joe Dhanith & B. Surendiran, An ontology learning based approach for focused web crawling using combined normalized pointwise mutual information and Resnik algorithm, *International Journal of Computers and Applications*, Taylor & Francis, pp:1-7, 2019

7. SAF SJ, S Shankar, B Surendiran, K Saranya, Advent of Augmented Reality Experience In Retail and Online Shopping and Its Influencing Significance in Future, MATTER: International Journal of Science and Technology, Volume 5 Issue 2, pp. 35-47, 2019
8. Venkatraman, S. & Surendiran, B. , "Adaptive hybrid intrusion detection system for crowd sourced multimedia internet of things systems", **Multimed Tools Applications**, Springer, SCI – IF 1.54, vol **79**, pages 3993–4010(2020), <https://doi.org/10.1007/s11042-019-7495-6>
9. Venkatraman, S., B. Surendiran, & Arun Raj Kumar P., Spam E-mail classification for the Internet of Things Environment using Semantic Similarity Approach, Autosoft Journal Intelligent Automation & Soft Computing, TSI Press, **76**, pages 756–776(2020), SCIE Impact Factor 0.652.
10. Muppana Mahesh Reddy, R Sujithra Kanmani, B Surendiran, Analysis of Movie Recommendation Systems; with and without considering the low rated movies, 2020 International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE), 2020, P:1-4, IEEE Explore.
11. R Sujithra Kanmani, B Surendiran, Context-Based Social Media Recommendation System, Recommender System with Machine Learning and Artificial Intelligence: Practical Tools and Applications in Medical, Agricultural and Other Industries, 2020, Pages 237-248, John Wiley & Sons
12. S Shanmuga priya, S Saran raj, B Surendiran, Arulmurugaselvi N, Brain Tumour Detection in MRI Using Deep Learning, Evolution in Computational Intelligence Frontiers in Intelligent Computing: Theory and Applications (FICTA 2020), 395-403, Springer, <https://www.springer.com/gp/book/9789811557873>

#### **International/National Conference Publications**

- Surendiran B.**, Vadivel A., Selvaraj H., “A Soft-Decision Approach for Microcalcification Mass Identification from Digital Mammogram”, In: **Proceedings of world academy of Science, Engineering and Technology**, vol **36**, pp.1236-1240, Dec **2008**.
13. **B.Surendiran**, Y.Sundaraiah, A.Vadivel, "Classifying Digital Mammogram Masses using Univariate ANOVA Discriminant Analysis", **International Conference on Advances in Recent Technologies in Communication and Computing-ARTCom**, pp.175-177, **2009 (Pub. by IEEE). (Best Paper Award)**
  14. **Surendiran.B**, A.Vadivel,” An Automated Classification of Mammogram Masses using Statistical Measures”, **4th Indian International Conference on Artificial Intelligence (IICAI-09)**, Tumkur , India, pp. 1473-1485, Dec **2009**.
  15. **B.Surendiran**, A.Vadivel, "CART based classification of Benign and Malignant Masses in Digital Mammogram using Shape Properties ",**International Conference on Computing Technologies – ICONCT 09** , pp.47-52,Dec **2009**.

16. C. Akalya devi, **B. Surendiran**, K. E. Kannammal, "A Study of Feature Selection Methods for Software Fault Prediction Model" , **International Conference on Networks, Intelligence and Computing Technologies (ICNICT '11)**, Karpagam univesity, 2011.
17. Uma Mageswari R, B.Surendiran, Abhinaya S., Sentiment Analysis on E-Learning Platform, **International Conference On Research And Development In Information And Communication Technology ,(ICRDICT-2015)**, EGS Pillay Engineering College, Nagapattinam.
18. K Keerthi, B Surendiran, Elliptic curve cryptography for secured text encryption, International Conference on Circuit, Power and Computing Technologies (ICCPCT), 2017,pp1-5