

LIST OF PUBLICATION DETAILS (2015 TO 2020)

1. **Appavu alias Balamurugan S** et al, „A Novel Software Package Selection Method using Teaching Learning Based Optimization and Multi Criteria Decision Making, IEEE Transactions on Engineering Management, Vol.1,pp.1-14,
2. **Appavu alias Balamurugan S** et al, „A novel adaptive feature selector for supervised classification“, Information Processing Letters, Elsevier, Volume 117, Pages 25–34, January 2017,
3. **Appavu alias Balamurugan S** et al „A Novel Memetic Algorithm for Discovering Knowledge in Binary and Multi Class Predictions based on Support Vector Machine“, Applied Soft Computing, Elsevier, Volume 49, Pages 407–422, December 2016,
4. **Appavu alias Balamurugan S.** et al (2015) „Improving detection performance of Artificial Neural Network by Shapley Value Embedded Genetic Feature Selector“ International Journal of Neural Network World, Vol.26, Issue 2, pp.175-201, January 2016.
5. **Appavu alias Balamurugan S.** et al (2015) „Computational Modeling of Electricity Consumption using Econometric Variables based on Neural Network Training Algorithms,“ International Journal of Neural Network World, Vol.1/2017, pp.139-178
6. **Appavu alias Balamurugan S.** et al , A Novel Feature Selection method for image classification, International Journal of Opto Electronics and Advanced Materials-Rapid Communications , Vol.9(11-12), pp.1362-1368, November 2015.
7. **Appavu alias Balamurugan S.** et al , A Novel Filter based feature selection for image and Signal Classification, International Journal of Opto Electronics and Advanced Materials-Rapid Communications , Vol.18, No.7-8, 2016, pp.645-653
8. **Appavu alias Balamurugan S.** et al , Classification of Adverse Event throid Cancer based on the risk factors, Accepted for publications in International Journal of Methods of Information in Medicine, Schattauer Publisher, Indexed in: Science Citation Index, 2020
9. **Appavu alias Balamurugan S.** et al , Road Traffic Surveillance system to classify the vehicles on Indian roads in different climatic condition, International Journal of Mobile Information Systems, Indexed in: Science Citation Index, 2017.

10. **Appavu alias Balamurugan S.** et al, Optimal and Novel Hybrid Feature Selector for Accurate Prediction of Heart Disease, Journal of Scientific and Industrial Research, CSIR-NISCAIR, Vol.76,PP.720-724 , Indexed in- Science Citation Index, 2017.
11. **Appavu alias Balamurugan S.** et al, Multi label learning approaches for presence/absence of multi species Avifaunal Data: A Case Study of South Eastern Tamil Nadu, Accepted for Publication in International Journal of Neural Network World, Indexed in: Science Citation Index
12. **Appavu alias Balamurugan S.** et al, An Efficient Feature Selection and Classification using Optimal Radial Basis Functional Neural Network, International Journal of Uncertainty, Fuzziness and Knowledge Based Systems, Vol.26, No.5, PP.695-715, 2018, Indexed in: Science Citation Index
13. **Appavu alias Balamurugan S.** et al, Boosted Bayes approach for the prediction of Diabetes and Non communicable Diseases, Journal of Web Engineering, Vol.17, No.6, PP.1901-1913, Indexed in: Science Citation Index,2018.
14. **Appavu alias Balamurugan S.** et al Posterior probability method of data selection and Modified decision tree Model using Tsallis Entropy along with Correlation Function" Accepted for publication in Journal of Web Engineering, 2018. Indexed in - Science Citation Index
15. **Appavu alias Balamurugan S.** et al The Role of Measuring Degree Level of Emotion and Self Efficacy using EM Tool, Accepted for Publication in Journal of Web Engineering, Indexed in - Science Citation Index, 2020.
16. **Appavu alias Balamurugan S.** et al IDsMA: An Integrated Digital Signature and Mutual Authentication Mechanism for Securing the Cognitive Radio Networks, International Journal of Communication Systems, Wiley Publisher, Indexed in - Science Citation Index, Vol.1, PP.1-18,2019.
17. **Appavu alias Balamurugan S.** et al iMLNB: An Improved Multi Label Naive Baye's via Correlated Meta Information, Expert Systems with Applications, Revision submitted to Elsevier International Journal of Expert Systems with Applications, Elsevier- Science Direct Publishers, and Indexing in- Science Citation Index.
18. **Appavu alias Balamurugan S.** et al, C 5.0 Decision Tree Model using Tsallis Entropy and Association Function for General and Medical Dataset, Intelligent Automation and Soft Computing, SCI Indexed, Vol.26,No.1, PP.61-70,2020
19. **Appavu alias Balamurugan S.** et al, Improvising Environmental Quality by predicting future trends of fuel consumption in Indian Transportation using Machine

Learning and Deep Learning Techniques, Journal of Environmental Protection and Ecology Impact Factor: 1.867, SCI Indexed , Vol.21, No 2, PP.621–634, 2020

20. **Appavu alias Balamurugan S.** et al. Feature Selection on Classification of Medical Datasets using Proficient Entropy Weighted Score Based Optimal Ranking Algorithm, Journal of Medical Imaging and Health Informatics, American Scientific Publisher, SCI Indexed , Accepted for Publication,2020
21. **Appavu alias Balamurugan S.** et al. A Predictive Risk Level Classification of Diabetic Patients using Deep Learning Modified Neural Network, Accepted for Publication in Journal of Ambient Intelligence and Humanized Computing, Springer Publisher, SCI Indexed , Accepted for Publication,2020