- 1. Rajarajeswari. P, Dhanalakshmi. P, "An application of interval valued intuitionistic fuzzy soft matrix theory in medical diagnosis", Ann. Fuzzy Math. Inform, Vol. 9, Issue. 3, pp. 463-472, 2015.
- V. Rathikarani, P. Dhanalakshmi, K. Vijayakumar, "Automatic Classification of ECG Images for Cardiac Disease Diagnosis Using Template matching", International Journal of Applied Engineering Research, Vol. 9, Issue. 20, pp. 4756-4761, ISSN No. 0973-4562, November 2014.
- 3. Lenin T, Dhanalakshmi P, "Environmental sound classification using discrete wavelet transform", Advances in Natural and Applied Sciences, Vol. 9, Issue. 6 SE, pp. 539-545, ISSN No. 1995-0772, February 2015.
- 4. Thiruvengatanadhan R, Dhanalakshmi P, Palanivel S, "GMM Based Indexing and Retrieval of Music Using MFCC and MPEG-7 Features", Emerging ICT for Bridging the Future-Proceedings of the 49th Annual Convention of the Computer Society of India (CSI), Vol. 1, Issue. 3, pp. 363-370, 2015.
- 5. Thiruvengatanadhan, R; Dhanalakshmi, P; Palanivel, S; "Indexing and retrieval of speech using Power Normalised Cepstral Coefficients and Sub Band Coding", Signal Processing, Communication and Networking (ICSCN), Jan 5, 2015.
- 6. Elakkiya, M; Dhanalakshmi, P, "Speaker segmentation using MFCC and AANN", Advances in Natural and Applied Sciences, Vol. 9, Issue. 6 SE, pp. 733-737, ISSN No. 1995-0772, February 2015.
- 7. Ramalingam, Thiruvengatanadhan; Dhanalakshmi, P; "Wavelet Based Feature Extraction Techniques", International Journal of Engineering and Technology, ISSN 0975-4024, Vol. 6, Issue.6, pp. 34-44, 2015.
- 8. S. Ananthi and P. Dhanalakshmi, "Syllable Based Concatenative Synthesis For Text To Speech Conversion", Computational Intelligence in Data Mining, Springer India Publishing, Vol. 3, pp. 65 73, January 2015.
- 9. S. Ananthi and P. Dhanalakshmi, "SVM And HMM Modeling Techniques For Speech Recognition Using LPCC And MFCC Features", Advances in Intelligent Systems and Computing 327, Springer International Publishing Switzerland, Vol. 1, Issue. 21, pp. 519 526, ISSN No. 2194-5357, August 2015.

- 10. S. Ananthi and P. Dhanalakshmi, "A Novel Approach for Text Information Retrieval using Vector Space Model", International Journal of Applied Engineering Research, Vol. 9, Issue. 21, pp. 4865-4870, 2015, ISSN. 2194-5357.
- 11. V. Rathikarani, P. Dhanalakshmi, K. Vijayakumar, "Automatic Classification of ECG images for Cardiac Disease Diagnosis using Template Matching", International Journal of Applied Engineering Research, Vol.9 (20), pp.4756-4761, ISSN 0973-4562, January 2015.
- 12. V. Rathikarani, P. Dhanalakshmi, K. Vijayakumar "Automatic Classification of ECG signal for Heart Disease Diagnosis based on Probabilistic Neural Network and Self Organizing Maps", International Journal of Current Research and Development, Vol.3 (1), pp.85-97, January 2015, ISSN: 2321-0516.
- 13. S. Pazhanirajan, P. Dhanalakshmi, "Alzheimer Disease Classification using SVM and Multi-SVM", Advances in Natural and Applied Sciences, vol. 9, Issue. 6, pp. 29 34, ISSN No. 1995-0772, January 2015.
- 14. R. Visalakshi, P. Dhanalakshmi, S. Palanivel, "Analysis of Throat Microphone using MFCC Features for Speaker Recognition", Advances in Intelligent Systems and Computing (Springer), vol. 412, pp. 35-42, ISSN 2194-5357, 2015.
- 15. R. Thiruvengatanadhan and P. Dhanalakshmi, "Indexing and Retrieval of Speech using Perceptual Linear Prediction and Sonogram," Advances in Natural and Applied Sciences, Vol. 9, Issue 6, pp. 117-122, ISSN No. 1995-0772, January 2015.
- 16. S. Pazhanirajan, P. Dhanalakshmi, "MRI Classification of Parkinson's Disease Using SVM and Texture Features", Advances in Intelligent Systems and Computing, Springer, vol. 380, Issue. 2, pp. 357 364, ISSN No. 2194-5357, August 2015.
- 17. Dhanalakshmi, P; Kavitha, M; "A New Approach for MR Brain Image Segmentation using Intuitionistic Fuzzy Complement", International Journal of Computer Applications, Vol. 145, Issue.13, pp. 27-32, 2016.
- 18. T. Sivaprakasam, P. Dhanalakshmi, "Environmental Audio Source Separation Based on Improved k-means Clustering with Adaptive Genetic Algorithm", International Journal of Control Theory and Application, ISSN: 0974-5572, Vol. 9, Issue. 2, pp. 575-590,

- 19. Visalakshi, R; Dhanalakshmi, P; Palanivel, S; "Analysis of throat microphone using MFCC features for speaker recognition", Computational Intelligence, Cyber Security and Computational Models, Vol. 412, pp. 35-41, 2016.
- 20. Rathikarani, V; Dhanalakshmi, P; Vijayakumar, K; "Automatic ECG Image Classification Using HOG and RPC Features by Template Matching", Proceedings of the Second International Conference on Computer and Communication Technologies, Vol. 9, Issue. 20, pp. 117-125, 2016.
- 21. Pazhanirajan S, Dhanalakshmi P, "Classification of Parkinson's Disease using MRI Images", International Journal of Computer Science and Software Engineering, Vol. 5, Issue.10, 2016.
- 22. Dhanalakshmi, P, "Methods For Indexing and Reterival of Speech using gaussian Mixture Model Techniques", International Journal Of Computer applications, Vol. 148, Issue. 3, pp. 42-47, 2016.
- 23. Dhanalakshmi, P; Arunpriya, S; Gayathiriprabha, S; "On Intuitionistic Fuzzy Multi Weakly Generalized Closed Set", International Journal of Computer Applications, Vol. 146, Issue. 13, 2016.
- 24. R Thiruvengatanadhan and P Dhanalakshmi. "Indexing and Retrieval of Music using Gaussian Mixture Model Techniques", International Journal of Computer Applications 148(3):35-41, August 2016.
- 25. R Thiruvengatanadhan and P. Dhanalakshmi. "A Novel Method for Indexing and Retrieval of Speech using Gaussian Mixture Model Techniques", International Journal of Computer Applications 148(3):42-47, August 2016.
- 26. R. Visalakshi, P. Dhanalakshmi, "Performance of Speaker Identification using CSM and TM", International Journal of Speech Technology (Springer), pp. 1-9, ISSN 1381-2416, 2016.
- 27. R. Visalakshi, P. Dhanalakshmi, S. Palanivel, "*Performance of Speaker Localization using Microphone Array*", International Journal of Speech Technology (Springer), pp 1-17, ISSN 1381-2416, 2016.

- 28. Dhanalakshmi, P; "A novel approach for Concatenative Speech Synthesis using Phonemic and Syllabic Transcription", International Journal of Scienctific Research Organisation e ISSN 2456 6942, Vol.1, Issue. 1, pp.1-6, February 2017.
- 29. P. Dhanalakshmi, R. Thiruvengatanadhan, S.Jayalakshmi, "A Robust Music Retrieval system using Salient features", International Journal For Science And Advance Research And Technology, ISSN 2395-1052, Vol. 3, Issue 2, February 2017.
- 30. P. Aurchana, P. Dhanalakshmi, C. Kalyani (MDS), "Classification of Oral Sub mucous Fibrosis Using SVM", International Journal For Science And Advance Research And Technology, ISSN 2395-1052, Vol. 3, Issue 2, February 2017.
- 31. S. Ananthi, P. Dhanalakshmi, "Genetic Algorithm and Concatenative Synthesis to Retrieve Speech document for the Textual Query", International Journal of Scientific Research Organization, Vol. 1, Issue 1, February 2017.
- 32. Venkatakrishnana, C. Kalyani, P. Dhanalakshmi, "Analysis of Leukoplakia Disease classification using Radial Basis Function Neural Network", International Journal of Medical Science, ISSN 1812-5727, Vol. 3, Issue 3, March 2017.
- 33. Aurchana P, Dhanalakshmi P, "SVM based classification of Epithelial Dysplasia using SURF and SIFT Feature"s, International Journal of Pure and Applied Mathematics, ISSN No 1311-8080, Vol. 117, 2017.
- 34. S. Prabavathy, V. Rathikarani, P. Dhanalakshmi, "*Recognition of Musical Instruments by Machine*", International Journal of Science, Engineering and Management (IJSEM), Volume 2, Issue 12, December 2017.
- 35. C. Kalyani, Dr. S. Venkatakrishnan, "Oral Lichen Planus Classification Using auto Associative Neural Network", International Journal for Science and Advance Research and Technology, Vol. 3, Issue. 3, pp. 1179-1183, ISSN No. 2395-1052, March 2017.
- 36. Aurchana P, Dr. Dhanalakshmi P, "SVM Based Classification of Epithelial Dysplasia using SURF and SIFT Features", International Journal of Pure and Applied Mathematics, ISSN 1311-8080, Vol. 117, Issue 15, ISSN 1311-8080, 2017.
- 37. S. Prabavathy, V. Rathikarani, P. Dhanalakshmi, "*Recognition of Musical Instruments by Machine*", International Journal of Science, Engineering and Management (IJSEM), Volume 2, Issue 12, ISSN (Online) 2456 -1304, February 2018.

- 38. Aurchana P, Dr. Dhanalakshmi P, "*Grading of Oral Epithelial Dysplasia using Multi-SVM*", Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, Issue. 8, pp. 1479-1486, ISSN No. 1943 023X, 2018.
- 39. P. Aurchana, P. Dhanalakshmi, Indhumathi. J, "Histopathological Variants of Squamous Cell Carcinoma using Artificial Neural Networks", International Journal of Scientific Research in Computer Science Applications and Management Studies, Vol. 7, Issue 5, ISSN No. 2319 1953, September 2018.
- 40. P. Aurchana, P. Dhanalakshmi, "Histopathological Variants of Squamous Cell Carcinoma using Convolutional Neural Networks", International Journal of Emerging Technologies and Innovative Research (JETIR), Volume 6 Issue 1, ISSN No. 2349 5162, 2019.
- 41. N. Bharanikumar and P. Dhanalakshmi, "Survey on Machine Learning Algorithms for Classfication and Prediction of Land use changes using GIS, International Journal of Computer Sciences and Engineering Vol.-7, Special Issue, 4, Feb 2019 E-ISSN: 2347-2693, pp.351-354.
- 42. R. Rajkumar and P. Dhanalakshmi, "Survey on liver diseases Identification based on ultrasound Images", International Journal of Emerging Technologies and Innovative Research (JETIR), Volume 6 Issue 2, ISSN No. 2349 5162, February 2019.
- 43. Indhumathi J and Dr. Dhanalakshmi P, "Oral Squamous Cell Carcinoma Classification using Deep Boltzmann Machine and GLCM Features", International Journal of Scientific Research and Reviews, Vol. 8, Issue 2, March 2019.
- 44. S. Manikandan, P. Dhanalakshmi, R. Thiruvengatanadhan, "An Efficient Brain Stroke Image Classification Model Based on Artificial Bee Colony Optimization With Kernel Support Vector Machine", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume X, Issue X, ISSN: 2278-3075.
- 45. R. Rajkumar, P. Dhanalakshmi "A Comprehensive Review on Diabetic Retinopathy Identification and Classification", journal of Emerging Technologies and Innovative Research (JETIR), Volume 6, Issue 6, June 2019. (UGC Approved Journal).
- 46. Published a Research paper on "An Efficient Segmentation Based Classification of Diabetic Retinopathy Identification Using CLAHE with Resnet Model", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-8, Issue-9, July 2019. (Scopus Indexed Approved Journal).

47. Kamatchy B, P. Dhanalakshmi, "'Design and Implementation of Multi-Modal Feature Extraction for Bio-Authentication", 'International Journal of Recent Technology and Engineering (IJRTE)', ISSN: 2277-3878 (Online), Volume-8 Issue-1, May 2019. Page No.:1010-1014.