

## **Publications:**

**2015**

### **I. International Journals**

- [1] S. Divya, S. Kiruthika, Anton A L Nivin, S. Padmavathi, "Video Based Indian Sign Language Recognition System for Single and Double Handed Gestures with Unique Motion Trace as Feature", *International Journal of Tomography and simulation*, vol. 28 issue 1, pp71-88, 2015.(*scopus indexed*)

**2016**

### **I. International Journals**

- [1] Padmavathi, S. , Naveen, C.R. , Ahalya Kumari, V. "Vision based vehicle counting for traffic congestion analysis during night time" , in Indian Journal of Science and Technology, Volume 9, Issue 20, 1 May 2016(*scopus indexed*)
- [2] Shanmuga Priya, S., Padmavathi, S. "Comparative analysis of classification algorithms for predicting the advertisements on webpages", in Asian Journal of Information Technology Volume 15, Issue 4, 2016, Pages 738-742 (*scopus indexed*)
- [3] Divya, M. , Padmavathi, S. "Identification of the movements of human in a video" in International Journal of Control Theory and Applications Volume 9, Issue 2, 2016, Pages 1119-1123 (*scopus indexed*)

### **II. International Conferences**

- [4] S.Padmavathi, G.Abirami, "Differential Illumination Enhancement Technique For A Night Time Video", in Advances in Intelligent Systems and Computing ,Volume 394, 2016, Pages 111-124. (International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems, ICAIECES 2015, 22 April 2015 through 23 April 2015). (*scopus indexed*)
- [5] S.Padmavathi, G.Abirami, "Detection Of Abrupt Transitions In Night Time Video For Illumination Enhancement", *Advances in Intelligent systems and Computing*, Volume 397, 2016, Pages 809-817 (International Conference on Soft Computing Systems, ICSCS 2015; 20 April 2015 through 21 April 2015) (*scopus indexed*)
- [6] Shilpa Gopal, Dr.Padmavathi S, "Speaker Verification on English Language Using Phonemes" in International Conference on Electrical, Electronics, and Optimization Techniques (ICEEOT) – 2016, 2 November 2016, Article number 7754937, Pages 1520-1524(*scopus indexed*)
- [7] Padmavathi.S, Aishwarya.A.V and Iswaryah.S , "Geometric Correction For Braille Document Images" in Computer Science & Information Technology, 6(4)35-46 SIGPRO, 2016 pp. 35–46, 2016. DOI : 10.5121/csit.2016.60404

2017

## I. International Journals

- [1] Sathiya, R.R.,Padmavathi, S. “A relative exploration of unsupervised learning techniques for public conveyance”, International Journal of Pure and Applied Mathematics Open Access Volume 117, Issue 9 Special Issue, 2017, Pages 181-185. (*scopus indexed*)
- [2] Anjana K.P , Padmavathi S , “Supervised Algorithm Based Automatic Bill Classification and Prediction” in International Journal of Engineering and Technology (IJET) 2837 to2844(**scopus dropped**)
- [3] Reshma Hiralal, S. Padmavathi, “Analysis of Variant Pose Face Detection Using Viola Jones Algorithm” in Jour of Adv Research in Dynamical & Control Systems, 11-Special Issue, July 2017 , pp362-366(**scopus listed**)

## II. International Conferences

- [1] Parvathy Ram, Padmavathi S, “Analysis of Harris corner detection for color images” in International Conference on Signal Processing, Communication, Power and Embedded System, SCOPES 2016 – Proceedings, 22 June 2017, Pages 405-410 (*scopus indexed*)
- [2] Srunitha, Padmavathi S, ” Performance of SVM classifier for image based soil classification” in International Conference on Signal Processing, Communication, Power and Embedded System, SCOPES 2016 - Proceedings22 June 2017, Pages 411-415 (*scopus indexed*)
- [3] Sarath Krishnan, Padmavathi S, “ Feature ranking procedure for automatic feature extraction” in International Conference on Signal Processing, Communication, Power and Embedded System, SCOPES 2016 - Proceedings22 June 2017, Pages 1613-1617 (*scopus indexed*)
- [4] Nehru. M, Padmavathi S, Illumination invariant face detection using viola jones algorithm, 4th International Conference on Advanced Computing and Communication Systems, ICACCS 2017, 22 August 2017, Coimbatore 6 - 7 January 2017(*scopus indexed*)
- [5] Vikram, K. Padmavathi, S., “Facial parts detection using Viola Jones algorithm”, 4th International Conference on Advanced Computing and Communication Systems, ICACCS 2017, 22 August 2017, Coimbatore 6 - 7 January 2017(*scopus indexed*)
- [6] Sathya, S., Joshi, S.,Padmavathi, S. , “Classification of breast cancer dataset by different classification algorithms”, 4th International Conference on Advanced Computing and Communication Systems, ICACCS 2017, 22 August 2017, Coimbatore 6 - 7 January 2017(*scopus indexed*)
- [7] Muthugnanambika, M. Padmavathi, S. “Feature detection for color images using SURF”, 4th International Conference on Advanced Computing and Communication Systems, ICACCS 2017, 22 August 2017, Coimbatore 6 - 7 January 2017(*scopus indexed*)
- [8] Sujee, R.,Padmavathi, S., “Image enhancement through pyramid histogram matching” in International Conference on Computer Communication and Informatics, ICCCI 2017, November 2017 Article number 81177487(*scopus indexed*).

- [9] Midhila. M and S. Padmavathi PERFORMANCE ANALYSIS OF DIFFERENT CLASSIFIERS FOR DIABETES CLASSIFICATION in Seventh International Joint Conference on Advances in Engineering and Technology, pp17-21
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## **2018**

### **International Conferences**

- [1] Sarkar, A.,Padmavathi, S. , “Image pyramid for automatic segmentation of fabric defects” (Book Chapter) in Lecture Notes in Computational Vision and Biomechanics, Volume 28, 2018, Pages 569-578. (*scopus indexed*)
- [2] Krishnan, S.,Sabarish, B.A.,Gayathri, V.,Padmavathi, S., “Enhanced defogging system on foggy digital color images” (Book Chapter), in Lecture Notes in Computational Vision and Biomechanics, Volume 28, 2018, Pages 488-495. (*scopus indexed*)
- [3] Sujee, R.,Padmavathi, S. , “Pyramid-based Image Interpolation “ in 8th International Conference on Computer Communication and Informatics, ICCCI 2018, Coimbatore; India; 4 January 2018 through 6 January 2018, . (*scopus indexed*)

## **2019**

### **International Conferences**

- [1] Subhashree, V., Padmavathi, S. , “Estimation of parameters to model a fabric in a way to identify defects” (Book Chapter) in Lecture Notes in Computational Vision and Biomechanics, Volume 30, 2019, Pages 1251-1260. (*scopus indexed*)
- [2] Mondal, K.,Padmavathi, S., “Wild animal detection and recognition from aerial videos using computer vision technique”, International Journal of Emerging Trends in Engineering Research, Volume 7, Issue 5, 2019, Pages 21-24 (*scopus indexed*)
- [3] Vijai, A.,Padmavathi, S., “Cloud and shadow identification from aerial images”, International Journal of Innovative Technology and Exploring Engineering, Volume 8, Issue 7, May 2019, Pages 532-536 (*scopus indexed*)