

## List of Publications

### International Journals (7)

1. N.Valliammal, S.N.Geethalakshmi,(2012), “Leaf Image Segmentation Based On the Combination of Wavelet Transform and Kmeans Clustering”, International Journal of Advanced Research in Artificial Intelligence ,Vol.1, No.3, Pp.37-43, ISSN No: 2165-4050.
2. N.Valliammal, S.N.Geethalakshmi,(2012), “Plant Leaf Segmentation Using Non Linear K means Clustering”, International Journal of Computer Science Issues, Vol.9, Issue 3, Pp.212-218, ISSN No: 1694-0784.
3. N.Valliammal, S.N.Geethalakshmi,(2012), “A Novel Approach for Plant Leaf Image Segmentation using Fuzzy Clustering”, International Journal of Computer Applications,Vol.44,No.13, Pp.10-20, ISSN No: 0975 – 8887, Impact Factor : 0.814.
4. N.Valliammal, S.N.Geethalakshmi (2011), “An Optimal Feature Subset Selection for Leaf Classification”, International Arab Journal of Information Technology, Vol.1, No. 9, ISSN No: 1683-3198, Impact Factor 0.127.
5. N.Valliammal, S.N.Geethalakshmi, (2011), “Automatic Recognition System Using Preferential Image Segmentation For Leaf and Flower Images”, Computer Science & Engineering: An International Journal, Vol.1,No.4, Pp.13-25, ISSN No: 2231- 3583.
6. N.Valliammal,S.N.Geethalakshmi, (2011), “Enhancement Technique for Leaf Images”, International Journal of Computer Science and Information Security, Vol. 9, No. 11, Pp. 109-112, ISSN No: 1947-5500, Impact Factor : 0.04.
7. N.Valliammal, S.N.Geethalakshmi,(2011), “A Hybrid Method for Enhancement of Plant Leaf Recognition”, World of Computer Science and Information Technology Journal,Vol.1, No. 9, Pp. 370-375, ISSN No 2221-0741.

## **Proceedings in Conferences**

### **International Conferences (7)**

1. N.Valliammal, S.N.Geethalakshmi,(2012), “Efficient Feature Selection and Classification Technique for Plant Leaf Image Retrieval System”, ACM International Conference on Computational Science Engineering and Information Technology (CCSEIT 2012), Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Pp.132-137.
2. N.Valliammal, S.N.Geethalakshmi,(2012), “An Amalgam Approach for Feature Extraction and Classification of Leaves using Support Vector Machine”, Second International Conference in Computer Science, Engineering and Applications (ICSEA) Advances in Computer Science Engineering and Applications, Springer verlog, New Delhi, Vol.1, Pp.847-856, ISSN 1867-5662.
3. N.Valliammal, S.N.Geethalakshmi,(2012), “Multiple Noise Reduction using Hybrid Method for Leaf Recognition”, IEEE International Conference on Devices, Circuits and Systems-ICDCS 2012, Karunya University, Coimbatore, Pp.707-711.
4. N.Valliammal, S.N.Geethalakshmi, (2012), “An Optimal Feature Subset Selection for Leaf Analysis”, International Conference on Machine Vision, Pattern Recognition and Image Processing, World Academy of Science, Kuala Lumpur, Malaysia, Issue 62 January 2012, Pp.440-445, ISSN 2010-3778.
5. N.Valliammal, S.N.Geethalakshmi,(2011), “Hybrid Image Segmentation Algorithm for Leaf Recognition and Characterization”, IEEE International Conference on Process Automation, Control and Computing, Coimbatore Institute of Technology, Coimbatore.
6. N.Valliammal, S.N.Geethalakshmi,(2011), “Leaf and Flower Recognition Using Preferential Image Segmentation”, International Conference on Computer Science, Engineering and Information Technology(CCSEIT 2011), Springer-Verlog, Berlin Heidelberg held at Manonmaniam Sundaranar University, Tirunelveli, ISSN 1865-0929.
7. N.Valliammal, S.N.Geethalakshmi,(2010), “Performance Analysis of Various Leaf Boundary Edge Detection Algorithms”, Amrita-ACM-W Celebration of Women in Computing(A2WIC), First Conference on Women in Computing in India with International Participation Conference Theme: “Emerging Trends n Computing”, Amrita Vishwa Vidyapeetham, Coimbatore, ISBN:978-1-4503-0194-7.

### **National Conference(1)**

1. N.Valliammal, S.N.Geethalakshmi,(2010), “Digital Image Processing Methods and Applications”, National Conference on Advanced Computing Technologies (NCACT 2010),Avinashilingam University for Women,Pp.241-244,ISBN:978-93-803811-02-2.