BIBLIOGRAPHY

Aaron, E. L., Joshua, E. C. and Ross, T.W (2003) Interactive, GPU based level sets for 3D segmentation. In R.E. Ellis and T.M. Peters, editors, MICCAI 2003, Springer-Verlag Berlin-Heidelberg, Vol. 2878, Pp.564–572.

Abbasi, S., Mokhtarian, F. and Kittler, J. (1997) Reliable Classification of hrysanthemum Leaves through Curvature Scale Space, Proceedings of the First International Conference on Scale-Space Theory in Computer Vision, Utrecht, The Netherlands, Pp.284-295.

Allwein, R.L., Schapire, R.E. and Singer, Y. (2000) Reducing multiclass to binary: A unifying approach for margin classifiers, Proceedings of 17th International Conference on Machine Learning, San Francisco, CA, Pp.9-16.

Arbelaez, P. and Cohen, L. (2008) Constrained image segmentation from hierarchical boundaries, CVPR.

Asner, G.P. and Heidebrecht, K.B. (2002) Spectral unmixing of vegetation, soil and dry carbon cover in arid regions: comparing multispectral and hyperspectral observations, International Journal of Remote Sensing, Vol. 23, Pp.3939-3958.

Avci, E. and Avci, D. (2008) The performance comparison of discrete wavelet neural network and discrete wavelet adaptive network based fuzzy inference system for digital modulation recognition, Expert Systems with Application, Vol. 35, Pp.90-101.

Bao, P., Zhang, L. and Wu, X. (2005) Canny Edge Detection Enhancement by Scale Multiplication, IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 27, No.9, Pp.1485-1490.

Bardinet, E., Cohen, L.D. and Ayache, N. (1996). Tracking and motion analysis of the left ventricle with deformable superquadrics, Medical Image Analysis, Vol. 1, No.2, Pp.129–149.

Basheera, I.A. and Haimeer, M. (2000) Artificial neural networks: fundamentals, computing, design, and application, Journal of Microbiological Methods, Vol. 43, Issue 1, Pp.3–31.

Becker, S., Thrun, S. and Obermayer. K. (2003) Advances in Neural Information Processing Systems 15: Proceedings of the 2002 Conference, MIT Press.

Belhumeur, P.N., Chen, D, Feiner., S., Jacobs, D.W., Kress, W.J., Ling, H., Lopez, I., Ramamoorthi, R., Sameer, S., White, S. and Zhan.L. (2008), Searching the World's Herbaria: A system for visual identification of plant species, European Conference on Computer Vision (ECCV), Part IV, LNCS 5305, Springer-Verlag Berlin Heidelberg, Pp.116–129.

Bhanu, B. and Lin, Y. (2003) Genetic algorithm based feature selection for target detection in SAR images, Image and Vision Computing Vol. 21, Pp.591–608.

Bijnens, B., Van Hamme, M., Vandekerckhove, J., Herregods, M.C., Nuyts, J., Suetens, P. and Van de Werf, F (2005) Segmentation of echocardiographic images using classification in the radiofrequency feature space, Computers in Cardiology, Pp.733–736.

Biswas, S. (2003) Segmentation based compression for graylevel images, Pattern Recognition, Vol. 36, Issue 7, Pp.501–1517.

Bovic, A.C., Clark, M. and Geisler, W.S. (1990) Multichannel texture analysis using localized spatial filters, IEEE Transactions on PAMI, Vol. 12, Pp.55–73.

Braica, P. (2006) Edge detection and sharpening process for an image, US Patent No. 7068852.

Bruce, A. and Gao,,H. (1996) WaveShrink: Shrinkage function and thresholds, The Proceedings of the SPIE, Vol. 2569, Pp.270–281.

Burges, C. (1998) A tutorial on support vector machines for pattern recognition, Knowledge Discovery and Data Mining Vol. 2, No.2, 1998 (available online at http://citeseer.ist.psu.edu/burges98tutorial.html).

Cao, L.J., Chua, K.S. and Chong, W.K. (2003) A comparison of PCA, KPCA, and ICA for dimensionality reduction in support vector machine, Neural Computing, Vol. 55, No.1-2, Pp.321-336.

Caselles,V., Kimmel, R. and Sapiro, G. (1997) Geodesic active contours, Int. J. Comput. Vis., Vol. 22, No. 1, Pp.61–79.

Chaabane, S.B., Sayadi, M., Fnaiech, F. and Brassart, E. (2010) Colour Image Segmentation Using Homogeneity Method and Data Fusion Techniques, EURASIP Journal on Advances in Signal Processing, Vol. 2010, Article ID 367297, Pp.1-11.

Chakraborty, A., Staib, L. H. and Duncan, J. S. (2006) Deformable Boundary Finding in Medical Images by Integrating Gradient and Regional Information, IEEE Transactions on Medical Imaging, Vol.15, Pp.859-870.

Chan, K.L (1990) Feature based texture analysis, Proceedings of Communications on the move conference (ICCS/ISITA '92), Singapore, Pp. 102-106.

Chan, T. F. and Vese, L.A. (2001) Active contours without edges, IEEE Trans. Image Process., Vol. 10, No. 2, Pp.266–277.

Chang, C.C. and Lin, C.J. (2011) LIBSVM: a library for support vector machines, ACM Transactions on Intelligent Systems and Technology, Vol. 2, No. 27, Pp.1–27.

Chen, J., Pappas, T.N., Mojsilovic, A. and Rogowitz, B. (2003) Image Segmentation by Spatially adaptive color and texture features, Proceedings of IEEE International Conference on Image Processing, Barcelona, Spain, Pp.1-8.

Chen, L. and Georganas, N.D. (2008) Region-based 3D Mesh Compression Using an Efficient Neighborhood-based Segmentation, Simulation, Society for Computer Simulation International, Vol. 84, Issue 5, Pp.185-195.

Chen, L., Chen, C. and Parker, K. (1997) Adaptive feature enhancement form mammographic images with wavelet multi-resolution analysis, Journal of Electronic Imaging, Vol. 6, No. 4, Pp.467–478.

Chen, P.C. and Pavlidis, T. (1983) Segmentation by texture using correlation, IEEE Transactions on PAMI, Vol. 5, Pp.64–69.

Chen, Q., Chen, X. and Wu, Y. (2010),Optimization Algorithm with Kernel PCA to Support Vector Machines for Time Series Prediction, Journal of Computers, Vol. 5, No. 3, Pp.380-387.

Cheng, H.D., Jiang, X.H., Sun, Y. and Wang, J.L. (2001) Color image segmentation: advances and prospects, Pattern Recognition, Vol. 34, No. 12, Pp.2259–2281.

Cheng, Y. (1995) Mean shift, mode seeking, and clustering, IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol.17, No. 8, Pp.790–799.

Chi, Z., Houqiang, L. and Chao, W. (2003) Plant species recognition based on bark patterns using novel Gabor filter banks, Proceedings of International Conference on Neural Networks and Signal Processing, Vol. 2, Pp.1035- 1038.

Clayton, B.A. (2006) System and method for scaling and enhancing color text images, US Patent No.7046390.

Cline, H. E., Dumoulin, C. L., Hart, H. R., Lorensen, W. E. and Ludke, S. (1987) 3D reconstruction of the brain from magnetic resonance images using a connectivity algorithm, Magnetic Resonance Imaging, Vol.5, No.5, Pp.345–352.

Comanicui, D. and Meer. (2002) P. Mean Shift: A Robust Approach toward Feature Space Analysis, IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 24, Issue 5, Pp.603 – 619.

Connolly, C. (1996) The relationship between colour metrics and the appearance of three-dimensional coloured objects, Color Research and Applications, Vol. 21, Pp.331-337.

Cope, J.S., Corney, D., Clark, J.Y., Remagnino, P. and Wilkin, P. (2012) Plant Species Identification using Digital Morphometrics: a Review, Expert Systems with Applications, Vol. 39, Issue 8, Pp.7562–7573.

Cotton Incorporated USA (2009) The classification of Cotton, http://www.cottoninc.com/ClassificationofCotton.

Cunha, J.B. (2003) Application of image processing techniques in the characterization of plant leafs, IEEE International Symposium on Industrial Electronics, Vol.1, No.1, Pp.612-616.

Dash, M. and Liu, H. (1999) Handling large unsupervised data via dimensionality reduction, ACM SIGMOD workshop on research issues in data mining and knowledge discovery, Pp.1-8.

Delyon, B., Juditsky, A. and Benveniste, A. (1995) Accuracy analysis for wavelet approximations, IEEE Trans. Neural Networks, Vol. 6, Pp.332–348.

Deng, Y. and Manjunath, B.S. (2001) Unsupervised segmentation of color-texture regions in images and video, IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 23, No.8, Pp.800–810.

Dollar, P., Tu, Z. and Belongie, S. (2006) Supervised learning of edges and object boundaries, IEEE Computer Vision and Pattern Recognition (CVPR).

Du J.X., Wang, X.F., Zhang, G.J. (2007) Leaf shape based plant species recognition, Applied Mathematics and Computation, Vol. 185, Pp.883–893.

Eirinaki, M. (2009) Web Mining: A Roadmap, Athens University of Economics and Business, http://:www.dbnet.aueb.gr/index.php/corporate/ content/download /341/1381/file/NEMIS.pdf.

El-Helly, M., Rafea, A. and El-Gammal, S. (2003) An integrated image processing system for leaf disease detection and diagnosis, 1st Indian International Conference on AI (IICAI-0), Hyderabad, India.

Evert, R.F. (2006) Esau's Plant Anatomy, Meristems, Cells, and Tissues of the Plant Body: their Structure, Function, and Development, 3rd Edition, John Wiley & Sons, Inc., New Jersey.

Farzinfar, M., Xue, Z. and Teoh, E.K. (2010) A novel approach for curve evolution in segmentation of medical images, Comput. Med. Imaging Graph, Vol. 34, No.5, Pp.354-61.

Fischer, S., Cristobal, G. and Redondo, R. (2006) Sparse over complete Gabor wavelet representation based on local competitions'. IEEE Trans. on Image Proc., Vol. 15, No. 2, Pp.265–272.

Foody, G.M. and Mathur, A. (2004) A relative evaluation of multiclass image classification by support vector machines, IEEE Transactions on Geoscience and Remote Sensing, Vol. 42, Issue 6, Pp.1335-1343.

Franz, E., Gebhardt, M.R. and Unklesbay, K.B. (1995) Algorithms for extracting leaf boundary information from digital images of plant foliage, Transactions of the ASAE, Vol.38, No.2, Pp.625-633.

Frigui, H. and Caudill, J. (2006) Unsupervised Image Segmentation and Annotation for Content-Based Image Retrieval, IEEE International Conference on Fuzzy Systems, Pp.72–77.

Fu, H. and Chi, Z. (2003) A two-stage approach for leaf vein extraction", Proceedings of International Conference on Neural Networks and Signal Processing, Vol. 1, Pp.208–211.

Fu, J., Lien , H. and Wong, S. (2000) Wavelet-based HEQ of gastric sonogram images, Computerized Medical Imaging and Graphics, Vol.24, Pp.59–68.

Fukunaga, K. (1990) Introduction to Statistical Pattern Recognition, Second Ed., Boston: Academic Press.

Fukunaga, K. and Hostetler, L. (1975) The estimation of the gradient of a density function, with applications in pattern recognition, IEEE Transactions on Information Theory, Vol. 21, No.1, Pp.32–40.

Garg, R., Mittal, B. and Garg, S. (2011) Histogram Equalization Techniques For Image Enhancement, International Journal of Electronics & Communication Technology, Vol. 2, Issue 1, Pp.107-111.

Gong, W. and Wang, Y. (2000) Contrast enhancement of infrared image via wavelet transform, Journal of National University of Defense Technology, Vol. 22, No. 6, Pp.117–119.

Gonzalez, R.C. and Woods, R.E. (2007) Digital Image Processing, Pearson Prentice Hall.

Green, A.A., Berman, M., Switzer, P. and Craig, M.D. (1988) A transformation for ordering multispectral data in terms of image quality with implications for noise removal, IEEE Transaction on Geoscience and Remote Sensing, Vol.26, Pp.65–74.

Gupta, S. (1981) Architectures and Algorithms for parallel updates of raster scan displays Ph.D. Dissertation, Carnegie Mellon University.

Guyer, D.E., Miles, G.E., Gaultney, L.D. and Schreiber, M.M. (1993) Application of machine vision to shape analysis in leaf and plant identification, Transactions of the ASAE, Vol. 36, No. 1, Pp.163-171.

Gwo, C.Y., Wei, C.H. and Li, Y. (2013) Rotary matching of edge features for leaf recognition, Journal of Computers and Electronics in Agriculture, Pp.124-134.

Hamsa, B.A., Luque-Escamilla, P.L., Martinez-Aroza, J. and Roman-Roldan, R. (1999) Removing Noise and Preserving Details with Relaxed Median Filters, Journal of Mathematical Imaging and Vision 11, Pp.161–177.

Herbin, M., Bonnet, N. and Vautrot, P. (1996) A clustering method based on the estimation of the probability density function and on the skeleton by influence zones, Pattern Recog. Letters, Vol. 17, Pp.1141-1150.

Holland, J. (1992) Adaptation in Nature and Artificial Systems, MIT Press.

http://en.wikipedia.org/wiki/YUV, Last Access Date: 15-09-2013.

http://en.wikipedis.org/wiki/Image_noise-cite_note-3.

http://flavia.sf.net, Last Access Date: 05-05- 2013.

http://www.emc.maricopa.edu/faculty/farabee/biobk/biobookplantanat.html,Last Access Date: 16-09-2013.

http://www.uic.edu/classes/bios/bios100/labs/plantanatomy.htm, Last Accessed Date: 05-09-2013.

http://www.botanical-online.com/theimportanceofplants.htm, Last Accessed on July 2013, Last Access Date: 16-08-2013.

Hughes, G.F. (1968) On the mean accuracy of statistical pattern recognizers. IEEE Transactions on Information Theory,Vol. 14, Pp.55–63.

Im, C., Nishida, H. and Kunii, T.L. (1998) Recognizing plant species by leaf shapes – A case study of the Acer family, Proceedings of Fourteenth International Conference on Pattern Recognition, Vol. 2, Pp.1171-1173.

Jain, A.K. and Dubes, R.C. (1988) Algorithms for Clustering Data, Englewood Cliff, NJ, Prentice Hall.

Jameel, S and Manza. R.R. (2012) Color image segmentation using wavelet, International Journal of Applied Information Systems Vol.1, No.6, Pp.1-4.

James, M.D. (2009) Botany: An Introduction to Plant Biology, Fourth Edition, Jones & Bartlett Puiblishers, Sudbury, MA.

Jehan-Besson,S., Barlaud, M. and Aubert, G. (2003) DREAM2S : Deformable regions driven by an Eulerian accurate minimization method for image and video segmentation, Int. J. Comput. Vis., Vol. 53, No. 1, Pp.45–70.

Jenhani, I., Amor, N.B. and Elouedi, Z. (2008) Decision trees as possibilistic classifiers, International Journal of Approximate Reasoning, Vol. 48, Issue 3, Pp.784–807.

Jensen, J.R., (1996) Introduction to Digital Image Processing: A remote sensing perspective, second edn., Prentice Hall, Piscataway, NJ.

Jiacong, C. and Xingchun, L. (2008) Application of the diagonal recurrent wavelet neural network to solar irradiation forecast assisted with fuzzy technique, Engineering Applications of Artificial Intelligence, Vol. 21, Pp.1255-1263.

Jie, L., Dai-fei, L., Xue-ru, D., Zhong, Z. and Feng-qi, D. (2007) Prediction of AI(OH)3 fluidized roasting temperature based on wavelet neural network, Transactions of Nonferrous Metals Society of China, Vol. 17, Pp.1052-1056.

Joachims, T. (1998) Text categorization with support vector machines: learning with many relevant features, European Conference on Machine Learning (ECML), Springer, Berlin.

Joshi, A.J., Porikli, F. and Papanikolopoulos, N. (2009) Multi-Class Active Learning for Image Classification, IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2009, Pp.2372-2379.

Jung, C. and Scharcanski, J. (2005) Robust watershed segmentation using wavelets, Image and Vision Computing, Vol. 23, No.7, Pp.661–669.

Karvelis, P.S. Tzallas, A.T. Fotiadis, D.I. Georgiou, I. (2008) A Multichannel Watershed-Based Segmentation Method for Multispectral Chromosome Classification, IEEE Transactions on Medical Imaging, Vol. 27, Issue 5, Pp.697 – 708.

Kashyap, R.L., Chellappa, R. and Khotanzad, A. (1982) Texture classification using features derived form random field models, Pattern Recognition Letters, Vol.1, Pp 43-51.

Kai-qi. Huang., Zheng Yang Wu., George. S.K.Fung. and Francis.H.Y.Chan.(2005) Color image denoising with wavelet thresholding based on human visual system model. Signal Processing, Vol.20.Pp.115-127.

Kass, M., Witkin, A. and Terzopolus, D. (1988) Snakes: Active contour models, International Journal of Computer Vision, Vol. 1, Pp.312–331.

Kaun, D.T., Sowchauk, T.C. and Chavel, S.P. (1985) Adaptive noise smoothing filters for signal dependent Noise, IEEE Transaction on pattern analysis and machine intelligence, Vol. PMAI -7, Pp.165-177.

Kaus, M. R.., Berg, J., Weese, J., Niessen, W. and Pekar, V. (2004) Automated segmentation of the left ventricle in cardiac MRI, Medical Image Analysis, Vol.8, No.3, Pp.245–254.

Khalifa, I., Youssif, A. and Youssry, H. (2012) MRI Brain Image Segmentation based on Wavelet and FCM Algorithm, International Journal of Computer Applications, Vol. 47, No.16, Pp.32-39.

Kharrat, A., Benamrane, N., Messaoud, M.B. and Abid, M. (2011) Genetic algorithm for feature selection of MR brain images using wavelet co-occurrence, International Conference on Graphic and Image Processing (ICGIP 2011), Cairo, Egypt, Pp.1-8.

Khouzani, K.J. and Zadeh, H.S.(2005) Rotation-Invariant Multiresolution Texture Analysis Using Radon and Transforms, IEEE Transactions on Image Processing, VOl. 14, No.6, Pp.783-795.

Kichenassamy, S., Kumar, A., Olver, P., Tannenbaum, A. and Yezzi, A. (1995) Gradient flows and geometric active contour models, Proc. Int. Conf. Computer Vision, Boston, MA, Pp.810–815.

Kim, J.B. and Kim, H.J. (2002) A wavelet-based watershed image segmentation for VOP generation, IEEE International Conference on Pattern Recognition, Pp.505–508.

Klingler, J.W., Vaughan, C. L., Fraker, T. D. and Andrews, L. T. (1988) Segmentation of echocardiographic images using mathematical morphology, IEEE Transactions on Biomedical Engineering, Vol. 35, No.11, Pp.925–934.

Kucera, D. and Martin, R.W. (2007) Segmentation of sequences of echocardiographic images using a simplified 3D active contour model with region based external forces, Computational Medical Imaging and Graphics, Vol.21, No.1, Pp.1–21.

Landgrebe, D.A. (2003) Signal Theory Methods in Multispectral Remote Sensing, Hoboken, NJ: John Wiley and Sons.

Lang, R. M., Vignon, P., Weinert, L., Bednarz, J., Korcarz, C., Sandelski, J., Koch, R., Prater, D. and Mor-Avi, V. (1996) Echocardiographic quantification of regional left ventricular wall motion with color kinesis. Circulation, Vol. 93, No.10, Pp.1877–1885.

Lee, C. and Chen, S. (2003) Classification for Leaf Images, 16th IPPR Conference on Computer Vision, Graphics and Image Processing (CVGIP 2003)Vol. 8, Pp.355-362.

Lee, W.S. and Slaughter, D.C. (2004) Recognition of partially occluded plant leaves using a modified watershed algorithm, Transactions of the ASAE, Vol. 47, No. 4, Pp.1269-1280.

Levent Sendur. and Ivan .W.Selesnick (2002) Bivariate shrinkage functions for wavelet-based denoising exploiting interscale dependency,IEEE Transactions on Signal Processing, Vol 50,No.11,.Pp. 2744-2756.

Leventon, M. E., Eric, W., Grimson, L. and Faugeras, O. (2000) Statistical shape influence in geodesic active contours, In Computer Vision and Pattern Recognition, Vol. 1, Pp.316–323.

Li, H., Gao, J. and Liu, D.C. (2007) Adaptive Edge Enhancement of the Ultrasound Image, 4th Int. Conf. Image Graph., Washington DC, WA, Pp.86-91.

Li, X., wang, L. and Sung, E. (2004) Multilabel SVM active learning for image classification, International Conference on Image Processing ICIP '04, Vol. 4, Pp.2207-2210.

Li, Y., Zhang, Y., Zhu, J. and Li, L. (2010) Wavelet-based maize leaf image denoising method, World Automation Congress (WAC), Pp.391-395.

Liapis.S., Sifakis.E. and Tziritas.G Colour (2004) and texture segmentation using wavelet frame analysis, deterministic relaxation and fast marching algorithms, Visual Communication, Pp-1-26.

Lin, Y. and Cunningham, G.A. (1995) A new approach to fuzzy-neural system modeling, IEEE Trans. on Fuzzy Syst., Vol. 3, Pp.190–198.

Liu, H. and Motoda, H. (1998) Feature selection for knowledge discovery and data mining. Kluwer Academic Publishers.

Lobell, D.B., Asner, G.P., Law, B.E. and Treuhaft, R.N. (2002) View angle effects on canopy reflectance and spectral mixture analysis of coniferous forests using AVIRIS,

Lu, J. Zhao, T. and Zhang, Y. (2008) Feature selection based-on genetic algorithm for image annotation, Knowledge-Based Systems, Vol. 21, Issue 8, Pp.887–891.

Lund, M.D. (1997) Pixel image edge-smoothing method and system, US Patent No. 5650858.

Lurstwut, B. and Pornpanomchai, C. (2011) Plant Seed Image Recognition System (PSIRS), IACSIT International Journal of Engineering and Technology, Vol. 3, No. 6, Pp.600-605.

Ma, L., Fang, J., Chen, Y. and Gong, S. (2010) Color Analysis of Leaf Images of Deficiencies and Excess Nitrogen Content in Soybean Leaves, International Conference on on E-Product E-Service and E-Entertainment (ICEEE), Pp.1-3.

Ma, W.Y. and Manjunath, B.S. (1997) Edge flow: a framework of boundary detection and image segmentation, IEEE Conference on Computer Vision and Pattern Recognition, Vol. 9, Pp.744–749.

Ma, W.Y. and Manjunath, B.S. (2000) Edge flow: a technique for boundary detection and image segmentation, IEEE Transactions on Image Processing, Vol. 9, No. 8, Pp.1375–1388.

Maes, L., Bijnens, B., Suetens, P. and van de Werf, F. (1993) Automated contour detection of the left ventricle in short axis view in 2D echocardiograms, Machine Vision and Applications, Vol.6, Pp.1–9.

Maire, M., Arbelaez, P., Fowlkes, C. and Malik, J. (2008) Using contours to detect and localize junctions in natural images, IEEE Conference on Computer Vision and Pattern Recognition, Pp.1–8.

Malat, S.G. (1989) A theory of multiresolution signal decomposition: The wavelet representation. IEEE Trans. Patt. Anal. Machine Intell., Vol. 11, Pp. 674–693.

Manh, A.G., Rabatel, G., Assemat, L. and Aldon, M.J. (2001) Weed leaf image segmentation by deformable templates, Journal of Agricultural Engineering Research, Vol. 80, No.2, Pp.139-146.

Martin-Valdivia, M.R., Garcia-Vega, M. and Urena-Lopez, L.A. (2003) LVQ for text categorization using multilingual linguistic resource, Neurocomputing, Vol. 55, Pp.665-679.

Mathivanan, B., Palanisamy, V. and Selvarajan, S. (2011) An Efficient Hand Image Segmentation Algorithm for Hand Geometry Based Biometrics Recognition, International Journal of Computer Applications, Vol. 35, No.10, Pp.51-56.

Mausel, P.W., Kramber, W.J. and Lee, J.K. (1990) Optimum band selection for supervised classification of multispectral data, Photogrammetric Engineering and Remote Sensing, Vol. 56, Pp.55–60.

McEachen, J. C. and Duncan, J. S. (1997) Shape-based tracking of left ventricular wall motion, IEEE Transactions on Medical Imaging, Vol. 16, No.3, Pp.270–283.

McInerney, T. and Terzopoulos, D. (1996) Deformable models in medical analysis: a survey, Medical Image Analysis, Vol.1, No.2, Pp.91–108.

McInerney, T. and Terzopoulus, D. (1995) A dynamic finite element surface model for segmentation and tracking in multidimensional medical images with application to cardiac 4D image analysis, Computerized Medical Imaging and Graphics, Vol. 19, No.1, Pp.69–83.

Mehta, B., Nangia, S. and Gupta, M. (2008) Detecting image spam using visual features and near duplicate detection. In Proceeding of the 17th international conference on World Wide Web (WWW '08). ACM, New York, NY, USA, Pp.497-506.

Mencar, C., Castiello, C., Cannone, R. and Fanelli, A.M. (2011) Design of fuzzy association rule-based classifier, Information Sciences, Vol. 181, Issue 20, Pp.4361–4377.

Mitchell, S. C., Bosch, J. G., Lelieveldt, B. P., vander Geest, R. J., Reiber, J. H. and Sonka, M. (2002) 3-D active appearance models: segmentation of cardiac MR and ultrasound images, IEEE Transactions on Medical Imaging, Vol. 21, No.9, Pp.1167–1178.

Mitchell, T. (1997) Machine Learning, McGraw Hill.

Mokhtarian, F. and Abbasi, S. (2004) Matching Shapes With Self-Intersections: Application to Leaf Classification, IEEE Transactions on Image Processing, Vol. 13, No. 5, Pp.653-661.

Montejo-Raez, A. (2005) Automatic Text Categorization of documents in the High Energy Physics domain, CERN-THESIS-2006-2008.

Mündermann, L., MacMurchy, P., Pivovarov, J. and Prusinkiewicz, P. (2003) Modeling lobed leaves, Proceedings of the Computer Graphics International, Pp.60-65.

Musoko, V and Prochazka, A. (2004) Complex Wavelet Transform in Signal and Image Analysis, The 14th International Conference on Process Control, VSCHT Pardubice, Pp.148-162.

Myint, S.W. (2001) A robust texture analysis and classification approach for urban land-use and land-cover feature discrimination, Geocarto, International. Vol. 16, Pp.27–38.

Nakamura, J. (2005) Image Sensors and Signal Processing for Digital Still Cameras. CRC Press.

Nam, Y. and Hwang, E. (2005) A Shape-Based Retrieval Scheme for Leaf Images, Lecture Notes in Computer Science 3767, Y.-S. Ho and H.J. Kim (Eds.), Springer-Verlag, Pp.876-887.

Nam, Y., Hwang, E. and Byeon, K. (2005a) ELIS: An Efficient Leaf Retrieval System, Lecture Notes in Computer Science 3687, S. Singh et al. (Eds.), Springer-Verlag, Pp.589-597.

Nam, Y., Hwang, E. and Kim, D. (2005b) CLOVER: A mobile Content-Based Leaf Image Retrieval System, Lecture Notes in Computer Science 3815, E.A. Fox et al.(Eds.), Springer-Verlag, Pp.139-148.

Nam, Y., Hwang, E. and Kim, D. (2008) A similarity-based leaf image retrieval scheme: Joining shape and venation features, Computer Vision and Image Understanding, Vol. 110, Issue 2, Pp.245-259.

National Institute for Agricultural Botany (2005) Chrysanthemum Leaf Classification, Cambridge.

Neville, R.A., Levesque, J., Staene, K., Nadeau, C., Hauff, P. and Borstad, G.A. (2003) Spectral unmixing of hyperspectral imagery for mineral exploration: comparison of results from SFSI and AVIRIS. Canadian Journal of Remote Sensing, Vol. 29, Pp.99–110.

Ning, J., Zhang, L., Zhang, D. and Wu, C. (2010) Interactive image segmentation by maximal similarity based region merging, Pattern Recognition, Vol. 43, Pp.445–456.

Nobuhara, H. and Hirota, K. (2004) Color image compression/ reconstruction by YUV fuzzy wavelets, IEEE Annual Meeting of the Fuzzy Information, Vol.2, Pp.774 – 779.

Ohta, J. (2008) Smart CMOS Image Sensors and Applications, CRC Press.

Okin, G.S., Roberts., D.A., Murray, B. and Okin, W.J. (2001) Practical limits on hyperspectral vegetation discrimination in arid and semiarid environments, Remote Sensing of Environment, Vol. 77, Pp.212–225.

Ort, D.L. (1981) Character Edge Smoothing for Matrix Printing, Xerox Disclosure Journal, Vol. 6, No. 1, Pp.154-166.

Ozden. M and Polat.E, (2007), A Color Image Segmentation Approach for Content Based Image Retrieval, Pattern Recognition, Vol. 40, Pp. 1318-1325.

Pan, J. and He, Y. (2008) Recognition of plants by leaves digital image and neural network, Recognition of plants by leaves digital image and neural network, IEEE Computer Society, Pp.906-910.

Paragios, N. (2003) A level set approach for shape-driven segmentation and tracking of the left ventricle, IEEE Transactions on Medical Imaging, Vol. 22, No.6, Pp.773–776.

Paragios, N. and Deriche, R. (2000) Coupled geodesic active regions for image segmentation: A level set approach, Proc. Eur. Conf. Computer Vision, Dublin, Ireland, Vol. II, Pp.224–240.

Park, J., Hwang, E. and Nam, Y. (2008) Utilizing venation features for efficient leaf image retrieval, The Journal of Systems and Software, Vol. 81, Pp.71–82.

Peddle, D.R. and Ferguson, D.T. (2002) Optimization of multisource data analysis: an example using evidential reasoning for GIS data classification, Computers & Geosciences, Vol. 28, Pp.45–52.

Penaloza, M.A. and Welch, R.M. (1996) Feature selection for classification of polar regions using a fuzzy expert system, Remote Sensing of Environment, Vol. 58, Pp.81–100.

Peng, B., Fu, W. and Yang, C. (2000) Contrast enhancement of radiographs using shift invariant wavelet transform, Wuhan University Journal of Natural Sciences, Vol.5, No.1, Pp.59–62.

Peters, G. and Kerdels, J. (2007) Image segmentation based on height maps, Proceedings of the 12th international conference on Computer analysis of images and patterns, Vienna, Austria.

Pham, D.L., Xu, C. and Prince, J.L. (2005) A survey of current methods in medical image segmentation, Annual Review of Biomedical Engineering, Technical Report, Pp.1-27.

Philipp, I. and Rath, T. (2002) Improving plant discrimination in image processing by use of different colour space transformations, Computers and Electronics in Agriculture, Vol. 35, Pp.1-15.

Piramuthu, S. (2004) Evaluating feature selection methods for learning in data mining applications, European Journal of Operational Research, Vol. 156, Pp. 483–494.

Platt, R.V. and Goetz, A.F.H. (2004) A comparison of AVIRIS and Landsat for land use classification at the urban fringe. Photogrammetric Engineering and Remote Sensing, Vol. 70, Pp.813–819.

Porat, M. and Zeevi, Y.Y. (1989) Localized texture processing in vision: Analysis and synthesis in gaborian space, IEEE Trans. Biomed. Eng., Vol. 36, Pp.115–129.

Pornpanomchai, C., Rimdusit, S., Tanasap, P. and Chaiyod, C. (2011) Thai Herb Leaf Image Recognition System (THLIRS), Kasetsart J. (Nat. Sci.) , Vol.45, Pp.551 – 562.

Prasad, S., Kumar, P. and Tripathi, R.C. (2011) Plant leaf species identification using Curvelet transform, 2nd International Conference on Computer and Communication Technology (ICCCT), Pp.646–652.

Price, J.C. (2003) Comparing MODIS and ETM+ data for regional and global land classification, Remote Sensing of Environment, Vol. 86, Pp. 491–499.

Priya, M and Gobu, C.K. (2013) A Wavelet based Method for Text Segmentation in Color Images, International Journal of Computer Applications, Vol. 69, No.3, Pp.14-17.

Ranganath, S. (2005) Contour extraction from cardiac MRI studies using snakes, IEEE Transactions on Medical Imaging, Vol. 14, No.2, Pp.328–338.

Rashed, T., Weeks, J.R., Gadalla, M.S. and Hill, A.G. (2001) Revealing the anatomy of cities through spectral mixture analysis of multispectral satellite imagery: a case study of the Greater Cairo region, Egypt. Geocarto International, Vol. 16, Pp.5–15.

Reeves, T. and Jernigan, M. (1997) Multiscale-based Image enhancement, Canadian Conference on Electrical and Computer Engineering, Vol. 2, Pp.500-505.

Rioul,O. and Vetterli, M. (1991) Wavelets and signal processing, IEEE Signal Processing Mag., Vol. 8, Pp.11–38.

Rubio, E.L. (2010) Restoration of images corrupted by Gaussian and uniform impulsive noise, Pattern Recognition, Vol.43, No.5, Pp.1835-1846.

Rui, Y., She, A.C. and Huang, T.S. (1996) Modified Fourier descriptors for shape representation - A practical approach, First International Workshop on Image Databases and Multi Media Search, Amsterdam.

Russell, S. and Norvig, P. (2003) Artificial Intelligence: A Modern Approach, 2nd edition ed., Prentice-Hall, Englewood Cliffs, NJ.

Sabino, D.M.U., da F. Costa, L., Rizzatti, E.G. and Zago, M.A. (2004) A texture approach to leukocyte recognition, Real-Time Imaging, Vol. 10, Pp. 205–216.

Sahoo, P.K., Soltani, S. and Wong, A.K.C. (1988) A survey of thresholding techniques, Comp. Vis., Graph. and Imag. Proc., Vol. 41, Pp.233-260.

Saitoh, T. and Kaneko, T. (2000) Automatic Recognition of Wild Flowers, Proceedings of 15th International Conference on Pattern Recognition, Vol. 2, Pp.507-510.

Sarhan, A.M and Al Helalat. O.I. (2007),Arabic Character Recognition using Artificial Neural Networks and Statistical Analysis Arabic Character Recognition using Artificial Neural Networks and Statistical Analysis, World Academy of Science, Engineering and Technology, Vol. 27,Pp.32-36.

Sathyabama, B., Mohanavalli, S., Raju, S. and Ahbaikumar, V. ((2011) Content Based Leaf Image Retrieval (CBLIR) Using Shape, Color and Texture Features, Indian Journal of Computer Science and Engineering (IJCSE), Vol 2, No. 2, Pp.202-211.

Sato, T., Matsoka, M. and Takayasu, H. (1999) Fractal image analysis of natural scenes and medical images, Fractals, Vol. 4, No. 4, Pp.463-468.

Scholkopf, B., Smola, A. and Muller, K.R. (1998a) Kernel principal component analysis, Advances in KernelMethods, Pp.327–352.

Scholkopf, B., Smola, A. and Muller, K.R. (1998b) Nonliner component analysis as a kernel eigenvalue problem, Neural Computation, no.10, Pp.1299–1319.

Selvan, S., Kavitha, M., Shenbagadevi, S. and Suresh, S. (2010) Feature extraction for characterization of breast lesions in ultrasound echography and elastography, J. Comput. Sci., Vol. 6, Pp.67-74.

Sengur, A. (2008) Wavelet transform and adaptive neuro-fuzzy inference system for color texture classification, Expert Systems with Applications, Vol. 34, No.3, Pp.2120–2128.

Sengur, A. and Guo, Y. (2011), Color texture image segmentation based on neutrosophic set and wavelet transformation, Computer Vision and Image Understanding, Vol. 115, Pp.1134-1144.

Sengur, A., Turkoglu, I. and Ince, M.C. (2008) Wavelet oscillator neural networks for texture segmentation, Neural Network World, Vol.4, Pp.275–289.

Sethian, J. A. (1999) Level set methods and fast marching methods, Cambridge University Press, Cambridge, USA.

Sethian, J.A. (2009) Level set methods and fast marching methods, Cambridge University Press, Cambridge, USA.

Shapiro, L.G. and Stockman, G.C. (2001) Computer Vision, New Jersey, Prentice-Hall, Pp.279-325.

Sharma, N. and Aggarwal, L.M. (2010) Automated medical image segmentation technique, J Med Phys., Vol. 35, No. 1, Pp.3–14.

Shirasaka, A. (1998) Image processing apparatus and method for smoothing stairway-like portions of a contour line of an image, US Patent No. 5838298.

Singh, P.K. (2004) Unsupervised segmentation of medical images using DCT coefficients, Proceedings of the Pan-Sydney area workshop on Visual information processing, ACM International Conference Proceeding Series, Vol. 100, Pp.75-84.

Stegmann, M. B. (2004) Generative interpretation of medical images, PhD thesis, ISSN 0909-3192. Technical University of Denmark, Informatics and Mathematical Modelling.

Stegmann, M. B. (2000) Active appearance models. Theory, extensions and cases, Master's thesis, IMM Technical University of Denmark, IMM, Pp.2000-2025.

Steinwart, I. (2002) Support Vector Machines are Universally Consistent, Journal of Complexity, Vol. 18, Issue 3, Pp.768–791.

Suh, D.Y., Eisner, R.L., Mersereau, R.M. and Pettigrew, R.I. (2003) Knowledge based system for boundary detection of four-dimensional cardiac magnetic resonance image sequences, IEEE Transactions on Medical Imaging, Vol.12, No.1, Pp.65 –72.

Sumengen, B. and Manjunath, B.S. (2006) Graph Partitioning Active Contours (GPAC) for Image Segmentation, PAMI, Vol.28, No. 4, Pp.509-521.

Supriyanto, E., Wee, L.K. and Min, T.Y. (2010) Ultrasonic marker pattern recognition and measurement using artificial neural network, Proceeding of the 9th WSEAS International Conference on Signal Processing, (ICSP'10), WSEAS, USA., Pp.35-40.

Tan, F., Fu, X., Zhang, Y. and Bourgeois, A.G. (2008) A genetic algorithm-based method for feature subset selection, Soft Comput, Vol. 12, Pp. 111–120.

Tang, L., Tian, L. and Steward, B.L. (2003) Classification of broadleaf and grass weeds using gabor wavelets and an artificial neural network, Transactions of the ASAE, Vol. 46, No. 4, Pp.1247-1254.

Tang, Y.Y. and Tao, Y. (1999) Feature extraction by fractal dimension, Proceedings of 5th International Conference on Document Analysis and Recognition (ICDAR '99), Pp.217-220.

Tilneac, M. and Dolga, V. (2010) Individual plant recognition using the RGB color model, 15th IEEE Mediterranean Electrotechnical Conference, Vol., No., Pp.1147-1152.

Touzani, A. and Postaire, J.G. (1989) Clustering by mode boundary detection, Pattern Recog. Letters, Vol. 9, Pp.1-12.

Tung, C.C. (1989) Piece-wise print image enhancement for dot matrix printers, US Patent No. 4847641.

Tzionas, P., Papadakis, S. and Manolakis, D. (2005) Plant leaves classification based on morphological features and a fuzzy surface selection technique, in: Fifth International Conference on Technology and Automation, Thessaloniki, Greece, Pp.365-370.

Unser, M. (1986) Local linear transforms for texture measurements, Signal Processing, Vol. 11, Pp.61–79.

Vafaie, H. and Jong, K.D. (1992) Genetic Algorithms as a Tool for Feature Selection in Machine Learning. 4th Int'l Conf. Tools with Artificial Intelligence, IEEE Computer Society Press, Pp.200-203.

Vapnik, V. (1995) The Nature of Statistical Learning Theory. Springer, New York.

Wang, S. S. and Wu, C. H. (2009) A new impulse detection and filtering method for removal of wide range impulse noises, Pattern Recognition, Vol.42, No.9, Pp.2194-2202.

Wang, Z., Chi, Z. and Feng, D. (2002) Fuzzy integral for leaf image retrieval, Proceedings of the 2002 IEEE International Conference on Fuzzy Systems, Honolulu, USA, Vol.1, Pp.372–377.

Wang, Z., Chi, Z. and Feng, D. (2003) Shape based leaf image retrieval, IEEE Proceedings, Visual Image Signal Process, Vol. 150, No. 1, Pp.34-43.

Wang, Z., Chi, Z., Feng D, Wang, Q. (2000) Leaf Image Retrieval with Shape Features, Lecture Notes in Computer Science: Advances in visual information systems, R.Laurini(Ed.), Springer-Verlag, Pp.477-488.

Wang, Z., Feng, D. and Chi, Z. (2003) Region-based binary tree representation for image classification, Proceedings of the 2003 International Conference on Neural Networks and Signal Processing, Vol. 1, Pp.232- 235.

Wanga,,X., Wong, B.S. and Guan, T.C. (2004), Image enhancement for radiography inspection, International Conference on Experimental Mechanics, Pp.462-468.

Wenzhong, Y. and Xiaohui, F. (2010) A Watershed Based Segmentation Method for Overlapping Chromosome Images, Second International Workshop on Education Technology and Computer Science, Vol. 1, Pp.571-573.

Weston, J. and Watkins. C. (1999) Multi-class support vector machines, Proceedings of ESANN99, M. Verleysen, Ed., Brussels, Belgium.

Wigstrom, L. and Svensson, H. (2002) Implementering av segmenteringsmetoder f¨or interaktiv analys av MR volymer. Master's thesis. Linkoping University, Sweden, Department of Electrical Engineering, LiTH-ISY-EX-1264.

Wilson, R. and Spann, M. (1990) A new approach to clustering, Pattern Recog., Vol. 23, Pp.1413-1425.

Withey, D.J. and Koles, Z.J. (2007) Medical Image Segmentation: Methods and Software, Joint Meeting of the 6th International Symposium on Noninvasive Functional Source Imaging of the Brain and Heart and the International Conference on Functional Biomedical Imaging, NFSI-ICFBI, Pp. 140-143.

Woebbecke, D.M., Meyer, G.E., Von Bargen, K. and Mortensen, D.A. (1995) Color indices for weed identification under various soil, residue, and lighting conditions, Transactions of the ASAE, Vol. 38, No.1, Pp.259-269.

Wu, H., Liu, J. and Chui, C. (2000) A wavelet-frame based image force model for active contouring algorithms, IEEE Transactions on Image Processing, Vol. 9, No.11, Pp.1983–1987.

Wu, Q., Zhou, C. and Wang, C. (2006) Feature Extraction and Representation of Plant Leaf for Image Retrieval, H.T.Shen et al.(eds): APWeb Workshops, Lecture Notes in Computer Science 3842, Pp.127-131.

Wu, S.G., Bao, F.S., Xu, E.Y., Wang, Y.X., Chang, F.Y. and Xiang, Q.L. (2007) Leaf Recognition Algorithm for Plant Classification Using Probabilistic Neural Network, IEEE International Symposium on Signal Processing and Information Technology, Pp.11–16.

www.wikipedia.org, Last Access Date : 03-07-2013.

Wyszecki, G. and Stiles, W.S. (1982) Color Science: Concepts and Methods, Quantitative Data and Formulae, Second Edition Wiley Publications.

Xu, B., Fu, C. and Ma, J. (2000) Image enhancement method based on wavelet transform", Proceedings of the SPIE, Vol. 4044, Pp.150–157.

Xu, K., Zheng, X. and Cheng, X. (1997) A novel method for image enhancement of medical images based on wavelet, Acta Electronica Sinica, Vol. 27, No. 9, Pp.121–123.

Yao, M., Stevens, M.T. and Parker, M. R. (2006) Text and image quality enhancement, US Patent No. 6987588.

Yonezawa,, S., Kawakami, T., Shimada, T. and Chida, Y. (1978) Apparatus for forming a character out of a pattern of separate display picture elements, US Patent No. 4079367.

Yu, Y. and Acton, S.T. (2002) Speckle Reducing Anisotropic Diffusion, IEEE Transactions on Image Processing, Vol. 11, No. 11, Pp. 1260-1270.

Yu, Y.J. and Acton, S. T. (2004) Edge detection in ultrasound imagery using the instantaneous coefficient of variation, IEEE Transactions on Medical Imaging, Vol. 13, No. 12, Pp.1640–1655.

Zhang, D. and Lu, G. (2001) A comparative study on shape retrieval using Fourier descriptors with different shape signatures, International conference on intelligent multimedia and distance education in Fargo, ND, USA.

Zhang, D.M.I., Aylwin, W. and Lu, G. (2004) Content Based Image Retrieval Using Gabor Texture Features. Proc.1st IEEE Pacific Ri., Pp.42-49.

Zhang, H., Berg, A.C., Maire, M. and Malik, J. (2006) SVM-KNN: Discriminative Nearest Neighbor Classification for Visual Category Recognition, IEEE Computer Society Conference on Computer Vision and Pattern Recognition, Vol. 2, Pp.2126–2136.

Zhang, J. (2010) An efficient median filter based method for removing random-valued impulse noise, Digital Signal Processing, Vol. 20, Issue 4, Pp. 1010-1018.

Zhang, J., Walter, G., Miao, G.Y. and Lee, W.N.W. (1995) Wavelet neural networks for function learning, IEEE Trans. Signal Processing, Vol. 43, Pp. 1485–1497.

Zhang, M., Zhang, L and Cheng, H.D. (2010) A neutrosophic approach to image segmentation based on watershed method, Signal Processing, Vol. 90 No.5, Pp.1510-1517.

Zhang, Q. and Beveniste, A. (1992) Wavelet networks, IEEE Transactions on Neural Networks, Vol. 3, Pp.889-898.

Zhang, Q. and Liu, T. (2010) Application of SVM and Wavelet Neural Network Method for Short-term Power Load Forecasting, The 2nd International Conference on Computer and Automation Engineering (ICCAE), Vol. 2, Pp.412 – 416.

Zhang, G., Wang, X. and Huang, D. (2004) A Hypersphere Method For Plant leaves Classification, Proceedings of 2004 International Symposium on Intelligent Multimedia, Video and Speech Processing, Pp.165-168.

Zheng, X. and Wang, X. (2010) Leaf Vein Extraction Based on Gray-scale Morphology, International Journal on Image, Graphics and Signal Processing, Vol. 2, Pp.25-31.

Zhiming, W. and Jianhua, T. (2006) A Fast Implementation of Adaptive Histogram Equalization, 8th International Conference on Signal Processing.

Zhuo,, L., Zheng, J., Wang, F., Li, X., Ai, B. and Qian, J. (2008), A genetic algorithm based wrapper feature selection method for classification of hyperspectral images using support vector machine, The International Archives of the Photogrammetry, remote Sensing and Spatial Information Sciences. Beijing, Vol. XXXVII. Part B7. Pp.1-6.

Zulkifli, Z., Saad, P. and Mohtar, I.A. (2011) Plant leaf identification using moment invariants & General Regression Neural Network, 11th International Conference on Hybrid Intelligent Systems (HIS), Pp.430–435.

Zwiggelaar, R. (2010) Local Greylevel Appearance Histogram Based Texture Segmentation, Lecture Notes in Computer Science, Springer Berlin / Heidelberg, Vol. 6136, Pp.175-182.