INTERNATIONAL CONFERENCE PROCEEDINGS

- [1] P. Palanisamy, K. Thangavel, R. Manavalan, "A novel approach to select significant genes of leukemia cancer data using K-Means clustering", Proceedings of the IEEE International Conference on International Conference on Pattern Recognition, Informatics and Medical Engineering (PRIME), IEEE xplore, PP 104 – 108, 2013.
- [2] M. Chitralegha and K. Thangavel "Protein sequence motif patterns using adaptive Fuzzy C-Means granular computing model", Proceedings of the IEEE International Conference on International Conference on Pattern Recognition, Informatics and Medical Engineering (PRIME), IEEE xplore, PP 96 – 103, 2013.
- [3] I. Laurence Aroquiaraj, and K. Thangavel "Mammogram image feature selection using unsupervised tolerance rough set relative reduct algorithm", Proceedings of the IEEE International Conference on International Conference on Pattern Recognition, Informatics and Medical Engineering (PRIME), IEEE xplore, PP 479–484, 2013.
- [4] P. Ashok, GM. Kadhar Nawaz, K. Thangavel and E. Elayaraja "Outliers detection on protein localization sites by partitional clustering methods", Proceedings of the IEEE International Conference on International Conference on Pattern Recognition, Informatics and Medical Engineering (PRIME), IEEE xplore, PP 447–453, 2013.
- [5] C. Velayutham, and K. Thangavel, "Detection and elimination of pectoral muscle in mammogram images using Rough Set Theory", Proceedings of the IEEE International Conference on Advances in Engineering, Science and Management pp. 48-54, 2012.
- [6] K Thangavel, J Bagyamani, and R Rathipriya "Novel Hybrid PSO-SA Model for Biclustering of Expression Data", International Conference on Advances in Engineering, Science and Management (ICAESM), 2012. Procedia Engineering 30, pp 1048-1055, 2012.
- [7] K. Thangavel and C. Velayutham, "Mammogram Image Analysis: Bio-Inspired Computational Approach", Proceedings of the International Conference on SocProS 2011, AISC 131, springerlinK.com © Springer India, pp. 883–892, 2012

- [8] C. Velayutham, and K. Thangavel, "A Novel Entropy Based Unsupervised Feature Selection Algorithm Using Rough Set Theory", Proceedings of the IEEE International Conference on Advances in Engineering, Science and Management pp. 156-161, 2012.
- [9] R Manavalan, and K Thangavel "Quick Reduct-ACO based feature selection for TRUS prostate cancer image classification", Proceedings of the IEEE International Conference on Pattern Recognition, Informatics and Medical Engineering (PRIME), IEEE xplore, pp.330-335, 2012.
- [10] R Subash Chandra Boss, K Thangavel, and D Arul Pon Daniel, "Mammogram image segmentation using fuzzy clustering", Proceedings of the IEEE International Conference on Pattern Recognition, Informatics and Medical Engineering (PRIME), IEEE xplore, pp.290-295, 2012.
- [11] D Arul Pon Daniel, K Thangavel, and R Subash Chandra Boss. "A review of early detection of cancers using breath analysis", Proceedings of the IEEE International Conference on Pattern Recognition, Informatics and Medical Engineering (PRIME), IEEE xplore, pp.432-437, 2012.
- [12] Janki Sivakumar, K Thangavel, and P Saravanan "Computed radiography skull image enhancement using Wiener filter", Proceedings of the IEEE International Conference on Pattern Recognition, Informatics and Medical Engineering (PRIME), IEEE xplore, pp.307-311, 2012.
- [13] R Roselin, and K Thangavel "Mammogram image segmentation using granular computing based on rough entropy", Proceedings of the IEEE International Conference on Pattern Recognition, Informatics and Medical Engineering (PRIME), IEEE xplore, pp.318-323, 2012.
- [14] K Thangavel, and C Velayutham "Rough set based unsupervised feature selection in digital mammogram image using entropy measure", International Conference on Biomedical Engineering (ICoBE), pp. 10-16, 2012.
- [15] E Elayaraja, K Thangavel, B Ramya, and M Chitralegha "Extraction of Motif Patterns from Protein Sequence Using Rough-K-Means Algorithm", Procedia Engineering 30, pp. 814-820 2012.

- [16] S Sathish, K Thangavel, V Vaidehi, "Cache based ant colony routing algorithm for mobile ad hoc networks", Proceedings of the 1st International Conference on Wireless Technologies for Humanitarian Relief, pp. 473-476, 2011.
- [17] T Chandrasekhar, K Thangavel, and E Elayaraja "Gene expression data clustering using unsupervised methods", Third International Conference on Advanced Computing (ICoAC), 2011, pp. 146-150 2011
- [18] S Sathish, K Thangavel, and S Boopathi, "Comparative Analysis of DSR, FSR and ZRP Routing Protocols in MANET", Proceedings of International Conference on Information and Network 2011.
- [19] BU Sajeev, and K Thangavel, "Evolving effective strategies for enhancing SHG's using K-mean clustering". Third International Conference on Advanced Computing (ICoAC), pp. 74-81, 2011.
- [20] KTR Keerthana, and K Thangavel "Feature selection in mammogram image using rough set approach", National Conference on Innovations in Emerging Technology (NCOIET), pp 147 – 152, 2011.
- [21] C. Velayutham, and K. Thangavel, "Unsupervised Feature Selection in Digital Mammogram Image Using Rough Set Based Entropy Measure", Proceedings of the World Congress on Information and Communication Technologies, pp. 632-637, 2011.
- [22] R Manavalan, and K Thangavel, "TRUS image segmentation using morphological operators and DBSCAN clustering", Proceedings of the World Congress on Information and Communication Technologies (WICT), Page(s): 898-903,2011
- [23] S Sathish, K Thangavel, and S Boopathi "Performance analysis of DSR, AODV, FSR and ZRP routing protocols in MANET", Second International Conference on Information Systems and Technology, 57 2011
- [24] C. Velayutham, and K. Thangavel, "A Novel Feature Extraction Method Using Spectral Shape in Digital mammogram Image", Proceedings of the World Congress on Information and Communication Technologies, pp. 839-844, 2011.
- [25] Devakumari, D., and Thangavel, K.,, "Analysis of Adaptive Floating Search Feature Selection", 2nd International Conference on Advances in Communication,

Network and Computing, Bangalore (CNC 2011), , CCIS 142, Edited by V.V.Das et al, pp 526-530, ISBN: 978-3-642-19541-9, Springer Verlag Berlin Heidelberg 2011

- [26] Bagyamani, J and Thangavel, K., "SIMBIC: Similarity Based BiClustering of Expression Data", Information Processing and Management, V. V. Das et al (Eds) BAIP 2010, CCIS (2010) 70: 437-441, Springer-Verlag, Berlin Heidelberg.
- [27] Sarojini, K., and Thangavel, K.,: Supervised feature subset selection using extended fuzzy absolute information measure for handling different discretized datasets. Procedia CS 2: 256-264 (2010)
- [28] Sarojini, K., Thangavel, K., and Devakumari, D., "Supervised Feature Subset Selection based on Extended Fuzzy Relative Information Measure for Boundary Samples", Proceedings of International Conference on Control, Communication and Power Engineering, IEEE Xplore, 2010, pp 184-186
- [29] Thangavel, K., Alagambigai, P., and Devakumari, D., "Improved Visual Clustering through Unsupervised Dimensionality Reduction", 12th International Conference on Rough sets, Fuzzy sets, Data Mining and Granular Computing, Delhi, (RSFDGrC 2009), Springer Verlag Berlin Heidelberg 2009, LNAI 5908, Edited by H.Sakai et al, pp 439-446, ISBN: 978-3-642-10645-3.
- [30] Karthikeyani Visalakshi, N., and Thangavel, K., "Ensemble based Distributed Soft Clustering", ICCN, International Conference on Computing, Communication and Networking, IEEE Computer Society, 2008.
- [31] Karthikeyani Visalakshi, N., Thangavel, K., and Alagambigai, P., "Distributed Clustering for Data Sources with Diverse Schema," ICCIT, Vol. 1, 2008 Third International Conference on Convergence and Hybrid Information Technology, IEEE Computer Society, pp.1058-1063, 2008.
- [32] Alagambigai, P., Thangavel, K., and Visalakshi, N.K., "Interactive Clustering in Distributed Environment Emerging Trends in Engineering and Technology", 2008. ICETET apos; 08. First International Conference on Volume, Issue, 16-18 July 2008 Page(s):1200 – 1205.
- [33] Hannah Inbarani, H., Thangavel, K., and Pethalakshmi, A., "Rough Set Based Feature Selection for web usage Mining" Proceedings of the International Conference on Computational Intelligence and Multimedia applications, Vol. 1 PP:33-38 (also available in IEEE explore release 2.5) 2007.

- [34] Aranganayagi, S., and Thangavel, K., "Clustering Categorical Data Using Silhouette Coefficient as a Relocating Measure," ICCIMA, vol. 2, pp.13-17, International Conference on Computational Intelligence and Multimedia Applications (ICCIMA 2007), 2007
- [35] Thangavel, K., and Jaganathan, P., "Rule Mining Algorithm with a New Ant Colony Optimization Algorithm," ICCIMA, vol. 2, pp.135-140, International Conference on Computational Intelligence and Multimedia Applications (ICCIMA 2007), 2007
- [36] Hannah Inbarani, H., and Thangavel, K., "Clickstream Intelligent Clustering using Accelerated Ant Colony Algorithm", Proceedings of the International Conference on Advanced Computing and Communications, (also available at online, IEEE Press) pp: 129 – 134, 2006.
- [37] Jaganathan, P., Thangavel, K, and Pethalakshmi, A., "Effective Classification with Hybrid Evolutionary Techniques", Proceedings of the International Conference on Advanced Computing and Communications, (also available at online, IEEE Press) pp: 335 – 338, 2006.
- [38] Pethalakshmi, A., Thangavel, K, and Jaganathan, P., "Mammography Feature Selection using Rough set Theory" Proceedings of the International Conference on Advanced Computing and Communications, (also available at online, IEEE Press) pp: 244–249, 2006.
- [39] Karnan, M., Thangavel, K., Sivakuar, R., and Geetha, K., "Ant colony Optimization for Feature Selection and Classification of Microcalcifications in Digital Mammogram"s, Proceedings of the International Conference on Advanced Computing and Communications, (also available at online, IEEE Press) pp: 298 – 303, 2006.
- [40] Thangavel, K., Karnan, M., Jaganathan, P., Pethalakshmi, A., and Sivakumar, R., "Computer-Aided Diagnosis: Automatic detection of Microcalcifications in Mammography Images using Soft Computing", Lecturer Notes in Engineering and Computer Science IMECS, Hong Kong, pp: 280-286, 2006.
- [41] Karnan, M., Thangavel, K., Geetha, K and Thanuskodi, K., "Partial Swarm Optimization for Segmentation of Microcalcifications in Mammograms".

Lecturer Notes in Engineering and Computer Science IMECS Hong Kong: pp: 115-121 June, 2006.

- [42] Jaganathan, P., Thangavel, K., Pethalakshmi, A., and Karnan, M, "Classification Rule Discovery with Ant Colony Optimization and Improved Quick Reduct Algorithm" Lecturer Notes in Engineering and Computer Science IMECS, Hong Kong: pp: 285-291, 2006.
- [43] Thangavel, K., and Karnan, M., "Computer Aided Diagnosis in Digital Mammograms: Hybrid Meta-Heuristic Algorithms for Detection of Microcalcifications," AACC Proceedings, Imperial College Press, World Scientific Series, London, pp: 104-119, 2005.