

## Dr. S. Ramakrishnan

### *List of Publication of last 5 years*

- IJ1. Vijaykumar V.R., Elango S., Raja Sekar S., Ramakrishnan S., 'Implementation of  $2^n - 2^k - 1$  Modulo Adder Based RFID Mutual Authentication Protocol', IEEE Transactions on Industrial Electronics, A Publication of IEEE Industrial Electronics Society, (DOI: 10.1109/TIE.2017.2711864), Volume 65, Number 1, ISSN 0278-0046, (Online ISSN: 1557- 9948), Page No. 626-635, January 2018.
- IJ2. Ramakrishnan S., and Selvan S., 'SVD Based Modeling for Image Texture Classification Using Wavelet Transformation', IEEE Transactions on Image Processing, A Publication of IEEE Signal Processing Society, (DOI:10.1109/TIP.2007.908082), Vol.16, No.11, pp.2688-2696, Nov 2007.
- IJ3. Nithya S., and Ramakrishnan S., 'Wavelet domain majority coupled binary pattern: a new descriptor for texture classification', Springer-Pattern Analysis and Applications, (DOI: 10.1007/s10044-020-00907-3), September 2020
- IJ4. Ramakrishnan S., and Ponni alias Sathya S., 'Video Copyright Protection Using Chaotic Maps and Singular Value Decomposition in Wavelet Domain', IETE Journal of Research, Taylor & Francis, CRC Press, (DOI: 10.1080/03772063.2018.1496801), Vol.66, No.3, pp.290-302, 7 June 2020.
- IJ5. Meenachi L., and Ramakrishnan S., 'Differential Evolution and ACO based Global Optimal Feature Selection with Fuzzy Rough Set for Cancer Data Classification', Springer-Soft Computing, (DOI: <https://doi.org/10.1007/s00500-020-05070-9>), June 2020
- IJ6. Sathiyamurthi P., and Ramakrishnan S., 'Speech encryption algorithm using FFT and 3D-Lorenz-logistic chaotic map', Springer- Multimedia Tools and Applications, (DOI 10.1007/s11042-020-08729-5), Article in Press, February 2020.
- IJ7. Meenachi L., and Ramakrishnan S., 'Random Global and Local Optimal Search Algorithm Based Subset Generation for Diagnosis of Cancer', Current Medical Imaging, Bentham Science (DOI: 10.2174/1573405614666180720152838), Vol.16, No.3, pp.249 – 261, March 2020.
- IJ8. Nithya S., and Ramakrishnan S., 'Wavelet domain directional binary pattern using majority principle for texture classification', Elsevier- Physica A: Statistical Mechanics and its Applications, (<https://doi.org/10.1016/j.physa.2019.123575>), Article in Press, Nov 2019.
- IJ9. Venkateshkumar U., and Ramakrishnan S., 'Detection of spectrum hole from n-number of primary users using machine learning algorithms', IET –The Journal of Engineering, (DOI: 10.1049/joe.2019.0024), OnlineFirst, Nov 2019.
- IJ10. Ponni alias Sathya S and Ramakrishnan S., 'Non-redundant frame identification and keyframe selection in DWT-PCA domain for authentication of Video', IET Image Processing Journal, (DOI: 10.1049/iet-ipr.2019.0341), Vol.14, No.2, pp.366-375, February 2020.
- IJ11. Venkateshkumar U., and Ramakrishnan S., 'Detection of spectrum hole from n-number of primary users using Gencluster algorithm', TSI Press-Intelligent Automation and Soft Computing, (DOI: <https://doi.org/10.31209/2019.100000160>), OnlineFirst, Nov 2019.
- IJ12. Gopalakrishnan T., and Ramakrishnan S., 'Image Encryption using Hyper-Chaotic Map for Permutation and Diffusion by Multiple Hyper-Chaotic Maps', Springer - Wireless Personal Communications, (<https://doi.org/10.1007/s11277-019-06573-x>), Vol.109, No.1, pp.437-454, Nov 2019.
- IJ13. Ramakrishnan S., and Muthanantha Murugavel AS., 'Epileptic seizure detection using fuzzy-rules-based sub-band specific features and layered multi-class SVM', Journal of Pattern Analysis and Applications, Springer, (DOI: 10.1007/s10044-018-0691-6), Vol.22, No.3, pp.1161-1176, August 2019.

- IJ14. Sathiyamurthi P., Ramakrishnan S., 'Testing and Analysis of Chen Chaotic Mapping for Speech Cryptography,' Journal of Testing and Evaluation, (DOI:10.1520/JTE20170283), Vol. 47, No. 4, pp.3028-3040, July 2019.
- IJ15. Arunkumar C., Ramakrishnan S., 'Prediction of Cancer using Customized Fuzzy Rough Machine Learning Approaches', IET Healthcare Technology Letters,(DOI: 10.1049/htl.2018.5055),Vol.6, No.1, pp.13-18 , Feb 2019.
- IJ16. Ramakrishnan S., and Nithya S. , 'Two Improved Extension of Local Binary Pattern Descriptors using Wavelet Transform for Texture Classification' ,IET Image Processing Journal, (DOI: 10.1049/iet-ipr.2018.5410), Vol. 12, No. 11, pp.2002-2010, Nov 2018.
- IJ17. Ramakrishnan S., and Nithya S. 'Local Line Directional Neighborhood Pattern for Texture Classification', EURASIP Journal on Image and Video Processing, Springer, (DOI: 10.1186/s13640-018-0347-x), Vol.2018, No.125, pp.1-16, Nov.2018.
- IJ18. Meenachi L., and Ramakrishnan S., 'Evolutionary Sequential Genetic Search Technique Based Cancer Classification Using Fuzzy Rough Nearest Neighbor Classifier', IET Healthcare Technology Letters, (DOI: 10.1049/htl.2018.5041), Vol.5, No.4, pp.130-135, August 2018.
- IJ19. Arunkumar C., Ramakrishnan S., 'Attribute Selection using fuzzy roughset based customized similarity measure for lung cancer microarray gene expression data', Elsevier - Future Computing and Informatics Journal, (DOI: 10.1016/j.fcij.2018.02.002 ), Vol.3, No.1, pp.131-142, June 2018.
- IJ20. Arunkumar C., Ramakrishnan S., Sooraj M. Poolakkaparambil., 'Rough Set Based Variable Tolerance Attribute Selection on High-Dimensional Microarray Imbalanced Data', International Journal of Data-Enabled Discovery and Applications, Springer (DOI:10.1007/s41688-018-0019-0), Online First, 14 May 2018.
- IJ21. Ponni alias Sathya S., Ramakrishnan S., 'Fibonacci Based Key Frame Selection and Scrambling for Video Watermarking in DWT-SVD Domain', Springer - Wireless Personal Communications, (<https://doi.org/10.1007/s11277-018-5252-1>), Print ISSN 0929-6212, Vol. 102, No. 2, pp.2011-2031, 19 January 2018.
- IJ22. Mohammad J. Arif, Ramakrishnan S, Ibrahim M. M. El Emary, Hassan A. Alsuraihi, Muthanantha Murugavel A S, "Classification of Epileptic EEG Signals using Wavelet-EMD-Domain Features and Improved Multi-class SVM", Journal of Engineering Technology (ISSN 0747-9964) Volume 6, Special Issue on Technology Innovations and Applications, Page No. 423-440, October 2017.
- IJ23. Sathiyamurthi P., Ramakrishnan S., 'Speech encryption using chaotic shift keying for secured speech communication', Springer Open Journal - EURASIP Journal on Audio, Speech, and Music Processing, (DOI 10.1186/s13636-017-0118-0), Vol. 2017, No. 1, pp.1-11 December 2017.
- IJ24. Ramakrishnan S., and Devaraju S., 'Attack's Feature Selection-Based Network Intrusion Detection System Using Fuzzy Control Language', International Journal of Fuzzy Systems, Springer, (DOI: 10.1007/s40815-016-0160-6), ISSN 1562-2479, Vol. 19, No. 2, pp.316-328, April 2017.
- IJ25. Gopalakrishnan T., and Ramakrishnan S., 'Chaotic Image Encryption with Hash Keying as Key Generator', IETE Journal of Research, Taylor & Francis, CRC Press, (DOI: 10.1080/03772063.2016.1251855), Vol. 63, No.2, Page No. 172-187, March-April 2017.
- IJ26. Ponni@Sathya S., Ramakrishnan S., "Survey of Digital Video Watermarking Techniques and Its Applications", Engineering Science, (DOI: 10.11648/j.es.20160101.14), Volume 1, No. 1, Page No.22-27, January 2017.
- IJ27. Arunkumar C., Ramakrishnan S., "A comparative study of hybrid feature selection methods using correlation coefficient for microarray data", Journal of Network and Innovative Computing, Dynamic Publishers, Inc., USA, ISSN 2160-2174, Volume 4, pp. 164-174, May 2016.
- IJ28. Arunkumar C., Ramakrishnan S., "Modified Fuzzy Rough Quick Reduct Algorithm for feature selection in cancer microarray data", Asian Journal of Information Technology, Medwell Journals, (DOI: 10.3923/ajit.2016.199.210), Volume - 15, Issue - 2, Page No.199-210, 2016.

- **IJ29. Gopalakrishnan T., and Ramakrishnan S., ‘Image Encryption in Block-Wise with Multiple Chaotic Maps for Permutation and Diffusion’, ICTACT Journal on Image and Video Processing, (DOI: 10.21917/ijivp.2016.0177), Vol.6, No.3, pp. 1220-1227, Feb 2016.**
- **IJ30. Muthanantha Murugavel AS., and Ramakrishnan S., ‘Hierarchical multi-class SVM with ELM kernel for epileptic EEG signal classification’, International Journal of Medical & Biological Engineering & Computing, Springer, (DOI: 10.1007/s11517-015-1351-2), Vol.54, No.1, pp.149-161, Jan 2016.**