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**Publication Details:**

1. R Pugalenthii, F. Sangeetha Francelin Vinnarasi, P. Mohan Kumar, R. Arokia Renjith. Latent Dactyloscopy Pairing: Presentation Attain Through Feedback from Epitome, International Journal of Bio-Inspired Computation-Inderscience-Article in Press.
2. R Pugalenthii,A Sheryl Oliver,M.Anuradha(2020),Impulse Noise Reduction using hybridneuro-fuzzy filter with improved firefly algorithm from X-ray bio-images, International Journal of Imaging System and Technology ,Volume.30,No.4,pp.1119-1131,2020.
3. R Pugalenthii, R. Pugalenthii1, A Prabhu Chakkaravarthy, J Ramya, Samyuktha Babu, R. Rasika Krishnan , Artificial learning companion using machine learning and natural language processing, 2020, doi.org/10.1007/s10772-020-09773-0.
4. A.PrabhuChakkaravarthy,R Pugalenthii ,J.Ramya(2020),An Automatic Classification of COVID with J48 and Simple K-Means using Weka,International Journal of Future Generation Communication and Networking, Volume. 13, No. 3, pp.490-500,2020
5. R Pugalenthii, M P Rajakumar, J.Ramya, V. Rajinikanth(2019).Evaluation and Classification of the Brain Tumor MRI using Machine Learning Technique, Journal of Control Engineering & Applied Informatics ,Volume. 21, No. 4, pp.12-21,2019.
6. R Pugalenthii, A Sheryl Oliver, Multi-level thresholding with Fractional-order Darwinian PSO and Tsallis function,International Journal of Innovative Technology and Exploring Engineering, Vol:8, pp. 1718 - 1734, 2019.
7. R Pugalenthiiand Rajakumar M.P (2018), ‘Robust, Efficient and Scalable Multicast Scheme for Secure Heterogeneous Network’, TAGA Journal Vol. 14, pp.822-832.
8. Rajakumar M.P, R Pugalenthii and C. ShanmughaPriya (2018), “ A Novel Method for Event Detection Using Non-Intrusive Load Monitoring”, TAGA Journal, Vol.14, pp.752-759.
9. R Pugalenthii, R &Gopal, T V (2014), ‘An Efficient and Variable Interval Rekeying for

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10. R Pugalenth, TV Gopal(2013), ' Performance Evaluation of Multimedia Data in Hetrogeneous Network Using Multicasting with Kerberos Protocol', International Journal of Soft computing, Vol. 8, pp.247-251,issue no.4.
11. R Pugalenth, TV Gopal(2012), ' A Novel Approach for New MBK-128 Cryptographic Algorithm', Journal of Wulfenia , Vol. 19, pp.90-100, issue no.11.

#### **Patent:**

1. Title: Automated detection of Lung Abnormality using Physiological Signals-Application Number-202041048948- Filing Date: 10-11-2020.
2. Title: FINGER VEIN AUTHENTICATION APPARATUS AND A METHOD THEREOF-Application Number-201941016937- Filing Date: 29-04-2019
3. Title: REMOTE CHILD MONITORING SYSTEM, Patent number 24 / 2019, Application number No.201941018537, Publication date :2019/6/14.
4. Title : MELANOMA DETECTION AND A METHOD FOR TEACHING-LEARNING MECHANISM, Patent number 48 / 2018, Application number No.201841043420A, Publication date :2018/11/30

#### **International Conferences / Workshops:**

1. I.KalaivaniA.SherylOliver, R.Pugalenth, P N Jeipratha, A.AjoeSweetlinJeena, G.Saranya, ' Brain Tumor Segmentation Using Machine Learning Classifier',", IEEE 5<sup>th</sup>International Conference on Science, Technology Engineering and MathematicsOrganied by Jeppiaar Engineering College, Semmencherry 2019(IEEE Explore).
2. Chitralekha, R. Pugalenth, N. Manikandan "Detection and conversion of voice to text using a display for hearing impaired person", IEEE International Conference on Engineering and Applied Sciences Organied by S.R.I. College of Engineering and Technology, Vandavasi 2017.
3. R Pugalenth, VR Rajasekar, U Sakthi, S Preetham, ' Multicasting of Images Resized Using Enhanced Seam Carving Technique in Hierarchical Group Communication', Second International Conference, NCIS 2012, Shanghai, China, Vol. 345, pp.250-258.