PANEL OF DC MEMBER 4:

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PUBLICATIONS:

1. T.Priya and **P.Kalavathi**,,"Brain Tissue Segmentation in MRI Brain Images Using Histogram Based Swarm Optimization Techniques", Current Medical Imaging Reviews, **2019** (In press), **(SCI and Scopus Indexed) (UGC Approved Journal Number : 14246) SJR 0.26, H-Index-21.**
2. **P.Kalavathi** and T.Priya," HSV Based Histogram Thresholding Technique for MRI Brain Tissue Segmentation, Advances in Signal Processing and Intelligent Recognition Systems", Communications in Computer and Information Science, Springer, Singapore, Vol. 968, pp. 322-333, **2019** DOI.org/10.1007/978-981-13-5758-9_27. **(Scopus Indexed) (UGC Approved Journal Number: 16246) SJR 0.17, H-Index-35.**
3. S. Boopathiraja and **P. Kalavathi**,"A near lossless three-dimensional medical image compression technique using 3D-discrete wavelet transform", Int. J. Biomedical Engineering and Technology, Inderscience Enterprises Ltd (In Press) **2019 (SCI, Scopus and UGC Indexed Journal)**
4. A. S. Joseph Charles and **Kalavathi Palanisamy**, Attunement of Trickle Algorithm for Optimum Reliability of RPL over IoT, Security in Computing and Communications", Springer Nature Singapore Pte Ltd. January 2019 CCIS 969, pp. 1–12, **2019**. https://doi.org/10.1007/978-981-13-5826-5_49 **(Scopus and UGC Indexed Journal)**
5. **P.Kalavathi** and T.Priya, "Histogram Based Multimodal Minimum Cross Entropy Thresholding Method for MR Brain Tissue Segmentation", Journal of Computational and Theoretical Nanoscience, Vol. 15, No. 6/7, pp. 2430-2436, **2018** (ISSN: 1546-1955, DOI:10.1166/jctn.2018.7484) **(Scopus Indexed) (UGC Approved Journal Number : 6874) SJR 0.22, H-Index-40**

6. **P Kalavathi** ,M.Senthamilselvi,V.B.S.Prasath," Review of Computational Methods on Brain Symmentric and Asymmentric Analysis from Neuroimaging Techniques",2017, DOI: 10.3390/technologies5020016.
7. **Kalavathi P** ," Methods on Skull Stripping of MRI Head Scan Images – a Review",. Journal of Digital Imaging, Springer,2016 Vol 29,PP 365-379.
8. **Kalavathi P** ," Segmentation of Brain from MRI Head Images using Modified Chan-Vase Active Contour Model", International Arab Journal of Information Technology ,Vol-13: 858-866.
9. **P Kalavathi** ,V.B.SuryaPrasath,"Automatic Segmentation of cerebral hemispheres in MR human head scans",wiley-International journal of imaging systems and technology,2016, Doi-org/10.1002/ima.22152.
10. K Somasundaram, **P Kalavathi**," Brain segmentation in magnetic resonance human head scans using multi-seeded region growing", The imaging Science journal, Vol 62,Issue:5, P(273-284).