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### **Last 5 years publication list:**

1. R. Kavin Rajesh, CH. Genitha, "A Novel Technique for Multi-Spectral Image Compression Using SPIHT Algorithm", International Journal of Applied Engineering Research, Vol. 10, Issue 70, pp.298-303 (2015).
2. CH Genitha, M Indhumathi, "Super Resolution Mapping of Satellite Images to Estimate the Capacity of Reservoirs around Chennai City", Asian Association of Remote sensing, (2016).
3. C Heltin Genitha, R Kavin Rajesh, "A technique for multi-spectral satellite image compression using EZW algorithm", International Conference on Control, Instrumentation, Communication and Computational Technologies, pp. 689-694, (2016).
4. S Shanmuga Priyaa, VS Jeyakanthan, C Heltin Genitha, S Sanjeevi, "Estimation of water-spread area of Singoor reservoir, Southern India by Super resolution mapping of multispectral satellite images", Journal of the Indian Society of Remote Sensing, Vol. 46, Issue 1, pp.121-130, (2018).
5. Heltin Genitha Cyril Amala Dhasan, Indhumathi Muthaia, "A Hybrid Approach to Super Resolution Mapping for Water-Spread Area and Capacity Estimation of Reservoir Using Satellite Image (India)", Conference of the Arabian Journal of Geosciences, pp.65-68, (2018).
6. C Heltin Genitha, K Vani, "A Hybrid Approach to Super-Resolution Mapping of Remotely Sensed Multi-spectral Satellite Images Using Genetic Algorithm and Hopfield Neural Network", Journal of the Indian Society of Remote Sensing, Vol. 47, Issue 4, pp. 685-692, (2019).
7. E Dhinesh, A Jagan, "Detection of Leaf Disease Using Principal Component Analysis and Linear Support Vector Machine", 11th International Conference on Advanced Computing (ICoAC), pp.350-355, (2019).
8. Heltin Genitha Cyril Amala Dhasan, Indhumathi Muthaia, Shanmuga Priyaa Sakthivel, Sanjeevi Shanmugam, " Super-resolution mapping of hyperspectral satellite images using hybrid genetic algorithm", IET Image Processing, Vol. 14, Issue 7, pp.1281-1290, (2019).
9. C Heltin Genitha, M Sowmya, Tharani Sri, "Comparative Analysis for the Detection of Marine Vessels from Satellite Images Using FCM and Marker-Controlled Watershed Segmentation Algorithm", Journal of the Indian Society of Remote Sensing, Vol. 48, Issue 8, pp.1207-1214, (2020).