PUBLICATIONS OF Dr. C. HELTINGENITHA

JOURNAL PUBLICATIONS

1. **C. HeltinGenitha**, M. Sowmya,TharaniSri, "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, No. 8, pp.1207-1214, 2020.(Publisher: Springer, Impact Factor: 0.997)

2. **C. HeltinGenitha**, M. Indhumathi, S. Sanjeevi, "A genetic algorithm based approach to estimate the volume of a drinking water reservoir in Chennai city, South India, using multi-spectral satellite images", Geocarto International, DOI: 10.1080/10106049.2019.1687590. (Publisher: Taylor and Francis, Print ISSN: 1010-6049, Online ISSN: 1752-, Impact Factor: 2.365)

3. **C. HeltinGenitha**, M. Indhumathi, S. Shanmugapriya, S. Sanjeevi, "Super Resolution Mapping of Hyperspectral Satellite images using Hybrid Genetic Algorithm", IET Image Processing, doi: 10.1049/iet-ipr.2018.5108, Oct 2019. (Publisher: Institute of Electrical Engineers, Print ISSN 1751-9659, E-ISSN: 1751-9667, Impact Factor: 2.004)

4. **C. HeltinGenitha**and 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, No. 4, pp.685–692, DOI: 10.1007/s12524-018-0905-9, Publisher: Springer, April 2019.

5. S. ShanmugaPriyaa , VS Jeyakanthan, **C.HeltinGenitha**, 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, doi:10.1007/s12524-017-0666-x, Vol.46, No.1, pp.1-10, Mar 2017.

6. S. ShanmugaPriyaa, C. **HeltinGenitha**, V. S. Jeyakanthan and S. Sanjeevi" ,Super-resolution mapping of hyperspectral images for estimating the water-spread area of Peechi reservoir, southern India", Journal of Applied Remote Sensing, Vol. 8, pp. 1-16, 2014.

CONFERENCE PUBLICATIONS

1. **C. HeltinGenitha,** E. Dhinesh, A. Jagan, "Detection of Leaf Disease Using Principal Component Analysis and Linear Support Vector Machine", IEEE 11th International Conference On Advanced Computing, MIT, Chennai, DOI: 10.1109/ICoAC48765.2019.246866, (**Publisher:** IEEE, E-ISBN: 978-1-7281-5286-8, Print ISSN: 978-1-7281-5287-5, pp. 351-356, 18-20 Dec 2019.

2. **C. HeltinGenitha**, M. Indhumathi, "A Hybrid Approach to Super Resolution Mapping for Water-Spread Area and Capacity Estimation of Reservoir Using Satellite Image (India)", 1st Conference of the Arabian Journal of Geosciences, Hammamet, Tunisia, pp. 65-68, https://doi.org/10.1007/978-3-030-01440-7_16, Springer, Dec 2018. (Advances in Science, Technology & Innovation book series (ASTI))

3. Anish M, **C.HeltinGenitha**, "Facial Anti-spoofing Analysis-A Literature Survey", Proceedings of International Conference on Computing, Communication and Drastic Innovations in Energy Thrive, 28th February, Panruti, India 2018.

4. **C.HeltinGenitha**, M. Indhumathi, "Super Resolution Mapping of Satellite Images to Estimate the Capacity of Reservoirs Around Chennai City", 37th Asian Conference of Remote Sensing, Srilanka, 2017.

5. **C.HeltinGenitha**, R. Kavin Rajesh, "A Technique for Multi-Spectral Satellite Image Compression Using EZW Algorithm", IEEE International Conference on Control, Instrumentation, Communication and Computational Technologies, pp. 781-786, 2016.