

### Papers Published (SCI)

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1. **Selvakumar K**, Jovitha J, and Kumar R, 2016, 'Robust face identification using DTCWT and PCA subspace based sparse representation' Journal of Multimedia Tools and Its Applications, vol. 75, no. 23, pp. 16073-16092. (Springer-Impact Factor: 1.33).
2. **Selvakumar K**, Jovitha J, Kumar R, and Nishanth S, 2016, 'Real-time vision based driver drowsiness detection using partial least squares analysis' Journal of Signal Processing Systems. vol. 85, no. 2, pp. 263-274. (Springer-Impact Factor: 0.508)
3. Raaja G Subramanian, Vinodh Kumar E, **Selvakumar K**, Vamsi Krishna C, 'Uniform ultimate bounded robust model reference adaptive PID control scheme for visual servoing' Journal of Franklin Institute, vol. 354, no. 4, pp. 1741-1758. (Elsevier- Impact Factor: 3.576)
4. Selvakumar K, Abhrodeep Chanda, 'Deployment of Lite CNN models in bare metal Microcontrollers for edge applications'. [Submitted to Journal of Signal Processing Systems].
5. B Keerthiveena, S Esakkirajan, **K Selvakumar**, and T Yogesh, Computer Aided Diagnosis of retinal diseases using multidomain feature fusion, International Journal of Imaging Systems and Technology, November 2019.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/ima.22379>

### Papers Published (Scopus Indexed)

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1. **Selvakumar K**, and Jovitha J 2014, 'Real-Time Video Based Face Identification Using Fast Sparse Representation and Incremental Learning', [Advances in Intelligent Systems and Computing](#), vol. 264, pp. 33-44.
2. **Selvakumar K**, and Jovitha J 2014, 'Least squares estimation-based adaptive observation model for aerial visual tracking applications', International Journal of Computational Vision and Robotics, vol. 4, no.1-2, pp. 134-144.
3. **Selvakumar K**, Jovitha J, Nishanth S, and Sarathkumar T 2015, 'Robust embedded vision system for face detection and identification in smart surveillance', International Journal of Signal and Imaging Systems Engineering, vol.8, no. 6, pp. 356-366.
4. **Selvakumar K**, Jovitha J, and Nishanth S 2014, 'Embedded Implementation of Facial Landmarks Detection using Extended Active Shape Model Approach', IEEE International Conference on Embedded Systems, Amrita University, Coimbatore, pp. 265-270.
5. **Selvakumar K**, and Jovitha J 2013, 'Robust object tracking via class aware Partial Least Squares-Gabor Wavelet Subspace', Procedia Engineering, vol. 64, pp. 159-168.

### National Journal

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1. Baskar K, and **Selvakumar K** 2015, 'Graphical Processing Unit based embedded realization of image processing algorithms', National Journal of Technology, vol. 11, no. 3, pp.50-56.