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### Publication Details:

1. Agnes, S.A., Anitha, J., **Immanuel Alex Pandian, S.**, Peter, J.D., Classification of Mammogram Images Using Multiscale all Convolutional Neural Network (MA-CNN), Journal of Medical Systems, 2020, 44(1), 30 (Springer) **[IF-3.072]** (Scopus)
2. Thirumalaiah, G., **Immanuel Alex Pandian, S.**, An energy optimized object modeling technique for video synopsis using particle swarm optimization, Journal of Green Engineering, 2020, 10(6), pp. 2910-2924 (Scopus)
3. Santhanaraj, M., **Immanuel Alex Pandian, S.**, Comprehensive optimal fir filter design procedures with various impacts, International Journal of Recent Technology and Engineering, 2019, 8(3), pp. 1562-1566 (Scopus)
4. Malin Bruntha, P., Dhanasekar, S., Martin Sagayam, K., **Immanuel Alex Pandian, S.**, “A modified approach for face recognition using PSO and ABC optimization”, International Journal of Innovative Technology and Exploring Engineering Volume 8, Issue 7, Pages 1571-1577, May 2019. (Scopus)
5. Malin Bruntha, P., Dhanasekar, S., Grace Jency, J., **Immanuel Alex Pandian, S.**, Pillai, P.S., Steven Pramod, T., Malani, V., “Performance analysis of certain classifiers for liver

CT images”, International Journal of Innovative Technology and Exploring Engineering Volume 8, Issue 7, Pages 1566-1570, May 2019. (Scopus)

6. Malin Bruntha, P., Victor Du John, H., Suriavel Rao, R.S., **S. Immanuel Alex Pandian**, “Comparative analysis of solitary lung nodule classification using different functions of back propagation neural network”, International Journal of Mechanical Engineering and Technology, 2019. (Scopus)
7. Malin Bruntha, P., **S. Immanuel Alex Pandian**, Jaisil Rose, D., “Application of decision tree based support vector machine in lung nodule classification”, Journal of Advanced Research in Dynamical and Control Systems, 2018. (Scopus)
8. **S. Immanuel Alex Pandian**, G. Josemin Bala, Maya K. Kuriakose, Anitha. J, “A Hierarchical Algorithm with Fast Convergence Spiral Search Pattern for Block Matching in Motion Estimation”, International Journal of Computational Vision and Robotics, Vol. 6, No. 4, pp. 435-449, 2016. (Inderscience) (Scopus)
9. J. Anitha, J. Dinesh Peter, **S. Immanuel Alex Pandian**, “A Dual Stage Adaptive Thresholding (DuSAT) for Automatic Mass Detection in Mammograms”, Computer Methods and Programs in Biomedicine, Vol. 138, pp. 93–104, January 2017. (Elesvier) **[IF-2.503]** (Scopus)