Publication List

- **International Journal papers: (04)**

1. A. Halder, S.Chatterjee, D. Dey, S.Kole, and S.Munshi, "An Adaptive Morphology Based Segmentation Technique for Lung Nodule Detection in Thoracic CT Image", *Computer Methods and Programs in Biomedicine*, Elsevier, Vol. 197, 105720, 2020. (**Impact Factor=5.428**)

2. A. Halder, D. Dey, and A.K. Sadhu, "Lung Nodule Detection from Feature Engineering to Deep Learning in Thoracic CT Images: a Comprehensive Review", *Journal of Digital Imaging*, Springer, Vol. 33, No.3, pp. 655-677, 2020. (**Impact Factor= 4.056**)

3. A. Halder, S.Chatterjee, D. Dey, "Adaptive Morphology Aided 2-Pathway Convolutional Neural Network for Lung Nodule Classification", *Biomedical Signal Processing and Control,* Elsevier, Vol. 72, 103347, 2021. (**Impact Factor=3.88**)

4. A. Halder, D. Dey, "Atrous Convolution Aided Integrated Framework for Lung Nodule Segmentation and Classification", *Computers in Biology and Medicine,* Elsevier, Communicated, 2022. (**Impact Factor=4.589**)

- **International Conference papers: (03)**

1. A.Halder, S.Chatterjee and D.Dey, "Morphological Filter Aided GMM Technique for Lung Nodule Detection," 2020 IEEE Applied Signal Processing Conference (ASPCON), Kolkata, India, 2020, pp. 198-202.

2. A. Halder, S. Chatterjee and D. Dey, "Superpixel and Density Based Region Segmentation Algorithm for Lung Nodule Detection," 2020 IEEE Calcutta Conference (CALCON), Kolkata, India, 2020, pp. 511-515.

3. A. Halder, C. Giri and A. Halder, "Brain tumor detection using segmentation based Object labeling algorithm," IEEE International Conference on Electronics, Communication and Instrumentation (ICECI), Kolkata, 2014, pp. 1-4.