
AUTHOR'S RELEVANT PUBLICATIONS

Journals:

1. **Akhilendra P. Singh**, Smrity Dwivedi, and Pradip K. Jain, "A novel application of artificial neural network for recognition of target behind the wall," *Microwave and Optical Technology Letters*, vol. 62, pp. 152-167, 2020.
2. **Akhilendra P. Singh**, Smrity Dwivedi, and Pradip K. Jain, " Development of Optimal Thresholding Technique for Shape and Size Detection for Through-the-Wall Radar Imaging System," *Defence Science Journal*, 2019.(accepted)
3. **Akhilendra P. Singh**, Smrity Dwivedi, and Pradip K. Jain, "Analysis of imaging algorithm for shape detection and shape identification of a target using through-the-wall imaging system," *Progress In Electromagnetic Research B*, vol. 85, pp. 181-199, 2019.

Conferences:

1. **Akhilendra P. Singh**, Smrity Dwivedi, and Pradip K. Jain, " Shape Identification of Target Behind Wall Using Fourier Descriptor and Morphology," *accepted for presentation in URSI RCRS 2020*, IIT(BHU).
2. **Akhilendra P. Singh**, Smrity Dwivedi, and Pradip K. Jain, " An Approach To Estimate Wall Parameters Using Genetic Algorithm And Time-domain Reflection Method For Through-Wall Imaging," *accepted for presentation in URSI RCRS 2020*, IIT(BHU).
3. **Akhilendra Pratap Singh**, and P. K. Jain. "A comparative study of SVD and ICA for target detection in through-the-wall radar images." presented in *2016 IEEE 11th International Conference on Industrial and Information Systems (ICIIS)*, pp. 608-613, 2016.