Abstract

Crop production is one of the major sources of earning and more than half of our population depends on agriculture for livelihood. Due to the factors like diseases, pest attack and sudden change in the weather condition, the productivity of the crop decreases. Traditional method of checking diseases in plants is through visualization but this method is not so relevant in detecting the diseases associated with plants. So we can provide a better alternative, fast and accurate detection by using image processing techniques which can be more reliable than some other old methods. Through this paper we proposed a methodology for the analysis and detection of plant diseases using digital image processing techniques. Because the fungus and bacteria kills the soya plant foliar and it spread in air and can also infect other plants also. So a close monitoring is required but as a human it is not possible to monitor the large area of land where the crop grows that problem is resolved by our proposed system.

References
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**Index Terms**

Computer Science  Image Processing

**Keywords**

K-Mean Clustering, Segmentation, Disease Detection, Image processing, Matlab Image processing