Abstract

Automatic detection of leaf disease is an essential research topic in agricultural research. It may prove benefits in monitoring fields and early detection of leaf diseases by the symptoms that appear on the leaves. In this paper K-means clustering method is used for segmentation of diseased portion of soya bean leaf. Percentage calculation and accurate grading of leaf disease is necessary for determination of pest control measures. This approach provides a feasible robust solution for defect segmentation of leaves.

References


Disease Detection in Soya Bean using K-Means Clustering Segmentation Technique

Signal Processing and Integrated Networks (SPIN).


10. Manjit Chintalapalli, “Color Image segmentation by Clustering”.


Index Terms

Computer Science Image Processing

Keywords
Leaf disease, image processing, k-means clustering segmentation, soya bean leaf