Abstract

Agriculture is the back-bone of country economy, where farmer source of income widely depend upon the farming. During the cultivation of crops, it require proper monitoring and due to change in atmospheric condition or the loss of soil nutrition these crops get encountered with certain type of disease. These disease farmer cannot recognize easily because of which they get loss in production. So here we proposed the system where we detect the disease based on leaf symptoms and diagnose for proper medication based on the result.
Yan-cheng Zhang, Han-Ping Mao, Bo Hu, Ming-XI Li. 2007. "Features election of cotton disease leaves image based on fuzzy feature selection techniques." International Conference on Wavelet Analysis and Pattern Recognition.


Qinghai He1, Benxue Ma, Duanyang Qu, Qiang Zhang, Xinmin Hou, Jing Zhao. 2013. Cotton Pests and Diseases Detection based on Image Processing. TELKOMNIKA, Vol. 11, No. 6, e-ISSN: 2087-278X.


Index Terms
Computer Science

Image Processing

**Keywords**

Hue  Saturation  Value (hsv)  Luminesce  A&b (chromatic Component) (lab)  K-main Clustering Algorithm

Color Co-occurrence Matrix

Gray Level Co-occurrence Matrix (glcm)

Segmentation

Classification