

Review Paper on Plants Diseases Detection Using Image Processing

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Abstract: *When plants and crops are suffering from pests and diseases it affects the agricultural production and overall development of the country. Often, farmers or specialists monitor plants for healthiness and diagnose diseases. Diagnosis of plant diseases is key to preventing crop losses and agricultural product value. Plant Disease studies refer to studies of the visible patterns observed in a plant. It requires tremendous amount of work, expertise in the plant diseases, and this method is often time processing, expensive and inaccurate. Automatic identification of diseases using image processing algorithms provide fast and accurate results. This paper reviews the techniques and methods used earlier by various researchers in this field. Accuracy of their models and comparative summary is shown below.*

Keywords: Artificial Intelligence, Machine Learning, Deep Learning, Convolutional Neural Networks, Image Processing, Image Classification, Pest Detection, Plant Diseases, Farmers, Image Datasets, InceptionV3.

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