Image Processing for Plant Disease Detection Using SVM: A Research Paper

Swati Arya
Guru Kashi University, Punjab, India

Abstract

Plant diseases pose a significant threat to agricultural productivity and food security worldwide. Early and accurate detection is crucial to minimize crop losses and optimize management strategies. This paper presents a review and implementation overview of image processing techniques for plant disease detection, focusing on the Support Vector Machine (SVM) algorithm. The paper discusses the image processing pipeline, the role of SVM in classification, and recent advances, including hybrid models.

Keywords

SVM, Image Processing, Hybrid Model.