

# DISEASE DETECTION USING WIRELESS SENSOR NETWORKS

## Abstract

Image processing can be used in wireless sensor networks. to reduce human effort and cost of production. In this study, we have proposed an application system, which has been developed in MATLAB software. In this system, wireless sensors equipped with a camera installed in the crop field take the leaf image. The image processing of leaf is performed by the series of steps. The accuracy of the experiment in the present study remained at 91.30 %.

**Keywords:** plants disease detection; wireless sensor networking; networkingdiagnosis.