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IMPLEMENTING SEGMENTATION METHOD FOR GRAPE LEAF THERMOGRAPHY

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ABSTRACT

Thermographic segmentation is used in many application areas to solve the issues in a different form of objects. Thermographic segmentation is used to identify the issues. Early detection of diseases helps to reduce the growth of diseases which results in healthy fruit growth. Thermal images of leaves used for early detection of diseases. The grape leaves are affected by diseases such as powdery mildew, Downy mildew, and Anthracnose. In this paper, we contemplated thermal image segmentation for detecting the thrips and anthracnose. The image segmentation algorithm is used to identify the diseased part over the leaves. The pests and anthracnose affect the part of the leaves. Then it spread over the plant and infect the berries which debase the quality of grapes. The thresholding technique used for the segmentation of thermal images. Thrips are sucking pests and anthracnose is a fungal disease. To identify thrips and anthracnose on the leaves thermal images are used.

KEYWORDS: *Image Segmentation, Thresholding, Thermal Imaging*