

Deep learning application for classifying diseases on tomato plant leaves from images

Nguyen Huy Hung

Abstract: This topic aims to address the practical agricultural need for early detection of diseases in tomato plants through images. The main objective is to build and deploy a deep learning-based system to accurately classify common diseases on tomato leaves from image data. The research process will include both theoretical methods on modern deep learning models and experiments to evaluate the system's performance. The expected outcome is to provide a useful tool for farmers and agricultural professionals, contributing to improved tomato production yields.

Keywords: Deep learning, Plant disease classification, Tomato leaf images