

Research on some preprocessing methods and feature extraction of plant part images

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Abstract: This topic aims to meet the high demand for image processing and analysis to support the agriculture and forestry sector. The main objective is to develop an automatic image processing system that enables effective feature extraction from images of plant parts. The research method combines both theory and experimentation, focusing on exploring advanced preprocessing methods and feature extraction techniques. The project is expected to make significant contributions to this field by building an accurate and automatic classification system for images of plant parts, thereby effectively supporting farmers in crop management and development.

Keywords: Image processing system, image features, preprocessing, feature extraction, crops