Joint Special Issue

Computer Vision for Intelligent Crop Identification and Crop Protection

Message from the Guest Editors

Affected by climate change and other factors, crops are susceptible to a variety of diseases, pests, and weeds, resulting in production loss and quality degradation. Crop protection is the science and practice of managing plant diseases, weeds, and pests that damage agricultural crops. Herbicides, insecticides, and fungicides are widely used for crop protection in agricultural areas. However, conventional protocols of weed control or phenotyping crop disease severity are a costly and time-consuming process. This context requires the development of smart technologies to accelerate the selection of disease-resistant crops, or to apply compounds or alternative products to targets to control diseases, pests, or weeds. This Special Issue focuses on computer vision using near-ground and airborne cameras to identify plant traits for crop protection. We would like to invite experts and researchers in the field to contribute original and high-quality research articles and reviews to the journal (*Agriculture* or *Agronomy*) peer-reviewed Special Issue: "Computer Vision for Intelligent Crop Identification and Crop Protection".

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