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Computer Vision for Intelligent Crop Identification and Crop Protection

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Deadline for manuscript submissions:

closed (20 December 2023)

Message from the Guest Editors

Dear Colleagues,

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 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 diseaseresistant crops, or to apply compounds or alternative products to targets to control diseases, pests, or weeds. This Special Issue focuses on computer vision using nearground 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 highquality 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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Message from the Editor-in-Chief

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