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Computer Vision for Intelligent Crop Identification and Crop Protection

Guest Editors:

Prof. Dr. Wen-Hao Su
College of Engineering, China Agricultural University, Beijing 100083, China

Dr. Zhou Zhang
Department of Biological Systems Engineering, University of Wisconsin-Madison, 230 Agricultural Engineering Building, 460 Henry Mall, Madison, WI 53706, USA

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 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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Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

Message from the Editor-in-Chief

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Contact Us

Agriculture Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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