Special Issue

Innovation of Intelligent Detection and Pesticide Application Technology for Horticultural Crops

Message from the Guest Editors

With the development of technology and the need for precise agriculture, intelligent detection and pesticide application technologies have become increasingly important in terms of solving the problems of horticultural crop production, such as ensuring crop yield and quality, reducing pesticide usage, and protecting the environment. We aim to provide a platform for scholars to share their experiences, ideas, and latest research results. The scope of this Special Issue includes, but is not limited to, the following topics:

- Intelligent detection technology for horticultural crop diseases, pests, and weeds;
- Pesticide application technology for horticultural crops;
- Numerical simulation and optimized design of pesticide applications;
- Evaluation methods and standards for pesticide residue in horticultural products;
- Intelligent agriculture;
- Agricultural product detection;
- Hyperspectral image processing;
- Machine vision;
- Artificial intelligence.

This Special Issue welcomes high-quality papers related to the intelligent detection and pesticide application technologies used for horticultural crops.

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