Special Issue

Modern Control of Biotic Stress in Crops: Intelligent Detection and Precision Pesticide Application

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 solving the problems of agricultural production, such as ensuring yield and quality, reducing pesticide usage and protecting the environment. We aim to provide a platform for scholars to share their experiences, ideas and the latest research results in this field. The scope of this Special Issue includes, but is not limited to, the following: Intelligent detection technology for crop diseases, pests and weeds; Pesticide application technology for crops; Numerical simulation and optimization design of pesticide application; Evaluation methods and standards for pesticide residue in products; Intelligent agriculture; Agricultural product detection; Hyperspectral image processing; Machine vision; Artificial intelligence. This Special Issue welcomes high-quality papers related to intelligent detection and pesticide application technology for crops. Papers should be original works not yet published elsewhere, or be review articles summarizing relevant research progress in this field.

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