

Special Issue

Sustainable Crop Protection Under Field Conditions: Managing Pests and Diseases

Message from the Guest Editors

Under field conditions, these challenges are further intensified by climate variability, evolving pest and pathogen populations, and the widespread development of resistance to pesticides. This Special Issue aims to provide a comprehensive platform for high-quality research addressing sustainable crop protection under realistic field conditions, with a particular focus on the integrated management of insect pests and plant diseases. We welcome original research articles and reviews that contribute to improving the understanding of pest and disease dynamics, monitoring approaches, and management strategies relevant to modern agroecosystems. The scope of this Special Issue includes, but is not limited to, insect pest biology and population dynamics, plant disease epidemiology, pest and disease monitoring and forecasting, insecticide and fungicide efficacy, resistance development and management, optimization of application timing, and decision-support tools for crop protection. Studies investigating interactions among pests, pathogens, host plants, agronomic practices, and environmental factors are particularly encouraged.

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