

Special Issue

Advanced Plant and Crop Protection Technologies for Precision Agriculture

Message from the Guest Editor

Precision agriculture is revolutionizing crop science by integrating cutting-edge technologies to optimize productivity, sustainability, and resilience. Advanced plant and crop protection technologies—ranging from remote sensing and AI-driven diagnostics to biocontrol agents and smart delivery systems—are critical in addressing challenges such as climate change, pest resistance, and resource scarcity. This research field supports data-driven decision-making, enhances input efficiency, and promotes environmentally sound practices. The Special Issue aims to showcase innovative approaches that strengthen crop health and yield while aligning with global sustainability goals. We are pleased to invite you to submit your research findings for publication in our Special Issue. This Special Issue aims to share new knowledge and advances in sustainable agriculture practices related to agronomy, horticulture, crop science and plant protection. Multidisciplinary research is encouraged, especially where explanations of technological advances in science, engineering and technology can be enhanced.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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