

Special Issue

Managing Fungal Pathogens of Stable Crops in Sustainable Agriculture

Message from the Guest Editors

Fungal pathogens are major threats to global staple crops, causing significant yield losses and quality degradation. Traditional management reliance on chemical fungicides, though effective, may lead to environmental pollution and ecological imbalance. As sustainable agriculture gains global attention, there is a growing need to explore environmentally friendly and economically viable strategies for fungal disease management. This Special Topic aims to compile cutting-edge scientific research and technological innovations focused on integrated management strategies for fungal diseases in staple crops under sustainable agriculture, including, but not limited to, the following:

- Developing novel biocontrol methods;
- Enhancing crop resistance through disease-resistant breeding and gene editing;
- Optimizing agricultural practices;
- Evaluating the economic and environmental sustainability of different control strategies.

We welcome the following types of contributions:

- Original Research Articles: experimental on novel control technologies or mechanisms;
- Review Articles: comprehensive summaries;
- Methodology Papers: development or optimization of detection, monitoring, or control techniques.

Guest Editors

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Deadline for manuscript submissions

15 December 2025



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



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