

Special Issue

Infectious Plant Diseases: Emerging Threats and Advances in Plant Protection

Message from the Guest Editors

Infectious plant diseases have historically caused severe agricultural losses and food insecurity. Significant events such as the Irish Potato Famine illustrate the devastating impact of plant pathogens on human societies. Advances in molecular biology, genomics, and plant pathology have improved our understanding and management of these diseases. However, new pathogens continue to emerge and existing ones evolve, exacerbated by climate change and global trade, thus presenting ongoing challenges to global food security and ecosystem health. This Special Issue explores the latest research and innovations in combating plant diseases. We seek to cover a broad range of topics, including the identification of novel pathogens, advancements in diagnostic technologies, genetic and biotechnological approaches to enhancing disease resistance, and the influence of environmental changes on disease dynamics. By compiling cutting-edge research and expert insights, we aim to provide a comprehensive overview of the current challenges and future directions in plant protection.

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Deadline for manuscript submissions

closed (15 May 2026)



Agronomy

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Impact Factor 3.4
CiteScore 6.7



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