

Special Issue

Physiological, Biochemical and Ecological Effects of Diseases on Plants

Message from the Guest Editors

Plants are constantly exposed to different types of biotic stress. Biotic stress results from infections by different types of pathogens that induce specific host defence mechanisms. In their natural habitat, plants are usually exposed to more than one type of stress, so plant diseases are associated with a specific combination of environmental factors that can alter the plant's responses to pathogen attack and vice versa. Studying the complexity of plant diseases is equally important in both cultivated and wild species. Detailed knowledge of plant–pathogen interactions and the effects of plant diseases is required in agronomy and forestry for efficient disease control management, while studies in natural populations provide insight into the ecological implications of plant diseases and the effects of phytopathogens on plant distribution, diversity and evolution. Therefore, this Special Issue aims to bring together the latest research on the effects of disease on plants at different levels, from physiological and biochemical changes in specific genotypes to broad ecological effects on plant species and ecosystems.

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2025)



Plants

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Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

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