

Special Issue

Physiological Aspects of Plant Response to Pathogens and Abiotic Stress

Message from the Guest Editors

Reprogramming of metabolic pathways during plant growth and development is well documented in the literature. However, the environmental biotic and abiotic stimuli extort changes in plant primary and secondary metabolites and functioning of various physiological processes. Plant pathogens, i.e., viruses, bacteria, and fungi causing diseases, trigger different immune responses and influence the physiological state of host plants. Similarly, abiotic stresses such as heavy metals, fluctuation of temperature, light intensity, or deficiency in macro- and micronutrients can cause changes in plant physiological processes, redirecting them to defensive mode. Moreover, so-called cross-stress or multistress, caused by the simultaneous influence of more than one stress factor, e.g., combination of biotic and abiotic stresses, can also affect plant physiology. We welcome original research papers and reviews on all aspects of plant physiology under the influence of various biotic and/or abiotic stresses.

Guest Editors

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Deadline for manuscript submissions

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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, and 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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