Special Issue

Exploring Plant Responses to Stress and Disease

Message from the Guest Editor

Plants are continuously exposed to a multitude of abiotic and biotic stress factors. Understanding how plants perceive and respond to these stressors is of the utmost importance to ensuring sustainable agricultural practices and mitigating crop losses. Additionally, uncovering the molecular, physiological, and genetic mechanisms underlying plant defenses against diseases holds great potential for developing novel strategies for disease management. We welcome original research articles, reviews, and perspectives that explore a wide range of topics, including but not limited to:

- Phenotypic responses to stress and diseases.
- Molecular and genetic basis of stress tolerance in plants.
- Signaling pathways involved in stress perception and response.
- Physiological and biochemical adaptations to abiotic and biotic stresses.
- Defense mechanisms against pathogens and pests.
- Interactions between plants and beneficial microbes for stress alleviation.
- Novel technologies and approaches for studying plant stress responses.
- Strategies for enhancing stress tolerance and disease resistance in crops.

Guest Editor

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About the Journal

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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