



Advances in Environmental Stress Resistance on Morpho-Physiological Characters in Plants

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Message from the Guest Editors

Dear colleagues,

There is an interest in understanding the mechanisms of plant adaptation and tolerance strategies to unfavorable environmental conditions. Plants are continuously exposed to changing environmental variables, such as high light, UV radiation, nutrients, wind, gasses, oxidative stress, dehydration, salt, excessive temperatures, metal toxicity, and other factors are among them.

This Special Issue aims to bring together current knowledge on the plant morphological, physiological, biochemical, and molecular/genetic mechanisms for resistance and associated problem of environmental stresses in arid and semi-arid areas.

Researchers from the globe are warmly invited to submit original research and review articles on the related topics as:

Physiological, biochemical, and molecular studies assessing the impact of unfavorable environmental variables on plant morphology, water relations, photosynthetic leaf gas exchange, enzymatic and non-enzymatic antioxidant, metabolites, and productivity effect of environmental stress on the development of plants.

Studies on the molecular responses to stress related genes and pathways for plant growth regulation and stress resistance capacity

Special Issue



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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.

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