

Special Issue

Molecular and Physiological Mechanisms of Abiotic Stress Tolerance in Plants

Message from the Guest Editor

Plants are regularly exposed to dynamically changing environmental conditions, including extreme temperatures, water, nutrients, and other environmental conditions that can cause abiotic stress. These adverse conditions trigger a series of complex molecular and physiological responses in plants, which are crucial for their survival and adaptation. Therefore, gaining an in-depth understanding of these molecular and physiological response mechanisms is of great significance for enhancing plant adaptability under abiotic stress. This Special Issue, titled “Molecular and Physiological Mechanisms of Abiotic Stress Tolerance in Plants”, aims to synthesize high-quality research results in this field and explore the core mechanisms underlying plant responses to abiotic stress, inclusive of, but not limited to, salt stress, drought stress, temperature stress, and heavy metal stress. We welcome original research papers and review articles on the effects of abiotic stress on plants.

Guest Editor

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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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