Special Issue

Molecular and Physiological Basis of Abiotic Stress Tolerance

Message from the Guest Editor

During the last six decades, research has shown that abiotic stresses can negatively impact plant growth, development and reduce crop production by up to 70%. Global climate changes have compounded the effect of these stresses on crop productivity. Some plants are more tolerant to 'stress' while others are susceptible. Understanding the complexity of both molecular and physiological factors that contribute to stress tolerance in crops is essential to maintain productivity for food, fibre, and fuel. The Special Issue, "Molecular and Physiological Basis of Abiotic Stress Tolerance," will focus on the recent advancements into the role of ion channels, transporters, and signalling molecules and their contribution to tolerance to stresses such as salinity, drought, extreme heat and acid soils. We invite research articles and communications providing insights into different abiotic stresses.

Guest Editor

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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, 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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