Special Issue

Physiological and Molecular Responses for Stress Tolerance in Rice

Message from the Guest Editor

Rice is one of the most important staple foods worldwide and feeds more than half of the world's population. However, as the climate changes and the environment deteriorates, rice production is faced with more and more challenges. Common abiotic stresses, such as drought, salinity, flooding, chilling, heavy metal contamination, etc., are threatening the rice growth and yields. It is a crop in urgent need of means with which to cope with the stresses and reduce yield loss. Thus, we are collecting new findings regarding the physiological and molecular responses to stress tolerance in rice, which may contribute to cultivating stress-resistant rice varieties. This Special Issue of *Plants* aims to publish papers studying the following topics in rice: stress signal transduction, stress-regulated gene functions, phytohormones involved in stress response, and rice breeding for stress resistance.

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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