

Special Issue

Cereal Stress Physiology

Message from the Guest Editor

Every day we witness climate changes that significantly affect the yields and quality of cereal crops—the most significant source of food, especially in the least-developed countries. Abiotic stress conditions such as drought, floods, salinity, high and low temperatures, UV radiation, air and soil pollution, nutrient deficiency, etc. lead to reduced yields and quality of cereal crops, and very often stimulate the development and spread of plant pathogens. The scientific community makes efforts to understand plant tolerance mechanisms and the genetics behind them, and has provided valuable information that breeders use in their breeding programs to create tolerant cultivars and hybrids. This Special issue is devoted to cereal crop research on single or combined stresses in controlled or field conditions. All studies about physiological and metabolic response mechanisms under and after stress conditions at the tissue, organ or whole-plant level are welcome.

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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