Special Issue

Strategies for Plant Drought Resistance

Message from the Guest Editors

Drylands collectively cover 41% of Earth's land surface and support over 38% of the human population. Global climate change is expected to progressively increase the frequency and severity of drought events, which further seriously limit plant growth and crop yields. Increasing water use efficiency (WUE) and yield per unit rainfall are among the most important challenges in dry land agriculture. This Special Issue solicits papers on topics including, but not limited to, conservation tillage in dryland agriculture; microorganism and plant interaction for drought resistance; the mechanism of drought response in plants (from physiological, transcriptional, post-transcriptional, post-translational, and metabolomic); genetic resources explored by genome-wide association analysis (GWAS); and genetic markers or other molecular techniques that could be used to improve the drought stress-tolerance of plants.

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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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