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Strategies for Plant Drought Resistance

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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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Special Issue



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Message from the Editor-in-Chief

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