

Special Issue

Nutrient and Water Management in Dryland Crops

Message from the Guest Editor

Water scarcity has become an important factor limiting the development of agriculture and threatening human food security worldwide. Despite its vast territory, the variety of soil types and the abundance of light resources, the potential for agricultural production in dry farming areas is severely limited by the lack of water and its uneven spatial and temporal distribution, the lack of vegetation. Irrational cropping systems and farming techniques in some areas have further exacerbated the environmental pressures in dry farming areas, leading to serious problems such as soil erosion and deterioration in the quality of cultivated land. To rationalize the use of limited rainfall resources and improve crop water utilization, it is necessary to restructure cropping and establish a stable cropping system that can adapt to various arid climate types and take advantage of regional resources. This Special Issue of *Plants* will highlight the nutrient and water management, resource efficiency, yield, and economic benefits of different cropping systems in dry farming areas, and their role in the interactions of plants with their environment.

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.

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