

Special Issue

Crop Response to Water Deficit Stress

Message from the Guest Editor

Water deficiency imposes drought stress and can cause sizeable reductions in crop yield and, what is more, it is one of the greatest limitations that modern-day crop production schemes must manage to maximize crop yield. Moreover, with the impacts of global warming, there is a threat that water resources will be exacerbated in the near future. Water stress triggers various plant responses that affect both cellular and whole plant growth and development. Therefore, understanding how crops respond to water deficiency can facilitate the cultivation of drought-adapted varieties that enhance crop productivity in the face of climate change. This Special Issue addresses interdisciplinary studies embracing agriculture with disciplines that range from basic biology, which highlights the response of crops to water stress, to cropping systems that integrate investigations of soil, crops, and their environment. We welcome all types of articles, such as original research, opinions, and reviews. We also welcome the latest research results on morphology, physiology, and molecular studies, as well as strategies for improving crop water use efficiency and productivity under field conditions.

Guest Editor

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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