

Special Issue

Biotic and Abiotic Stresses in Crop Plants

Message from the Guest Editors

The impact of environmental stresses on plant development and productivity has long been recognized as a major agricultural challenge. The impact of biotic and abiotic stress spans many levels, including declines in productivity, reproductive and developmental costs, as well as disruption of key physiological, cellular, biochemical, molecular and epigenetic processes. This Special Issue seeks contributions which present the latest advances in understanding how plants respond to biotic stresses, including damage from insect feeding, bacterial and fungal infections, as well as abiotic stresses such as extreme temperatures, salinity, water limitation, flooding and heavy metals. Research which draws upon knowledge of crop stress responses to better inform and develop management approaches that support agroecosystem health as well as stress biology research at a population or ecosystem level are strongly encouraged. We welcome original research manuscripts, method papers, reviews and systematic reviews. These include perspectives on how to develop strategies that can be utilized to accelerate plant breeding and biotechnology to improve stress resilience and crop production.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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.

Editor-in-Chief

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