

Special Issue

Wheat and Barley: Acclimatization to Abiotic and Biotic Stress

Message from the Guest Editor

Agriculture is an aspect of human activity that is highly dependent on the weather and climatic conditions. Climatic changes and associated extreme weather phenomena are posing new and unpredictable threats to cereal crops. Therefore, farmers are becoming increasingly interested in growing cultivars that are able to acclimate to environmental stresses at key stages of their growth and development.

Wheat and barley are critical food crops around the world, and their cultivars will face unexpected climatic changes. Flooding, drought, high temperatures, salinity, or excessive UV radiation during the growing season can significantly reduce their yields. Furthermore, climate change can influence pathogen development and survival rates, disease transmission, host susceptibility, and disease-spreading organisms.

This Special Issue of IJMS aims to publish a collection of recent studies dealing with the molecular aspects of wheat and barley acclimatization to abiotic and biotic stresses including observations of biochemical, physiological, and morphological responses. Authors are invited to submit related original research articles, reviews, mini-reviews, and short communications.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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