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Wheat and Barley: Acclimatization to Abiotic and Biotic Stress

Guest Editor:

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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.

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Message from the Editor-in-Chief

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