Special Issue

Plants for Extreme and Changing Environments: Domestication, Evolution, Crop Breeding and Genetics

Message from the Guest Editors

Extreme environments present various stressors for plants, including extreme levels of radiation, water availability (drought, floods, and submersion), salinity, temperatures (heat, cold, freezing), chemical factors (metals and pH), and combinations thereof. On the other hand, climate change has many consequences for plants, altering ecosystems around the world, including agricultural production systems, challenging researchers to design adaptation strategies. In general, the abiotic conditions present in extreme and changing environments are the main limiting factors for the development and productivity of crops, as well as for the species distribution in natural plant ecosystems. This Special Issue aims to explore new insights into domestication processes, evolution, crop breeding, and/or genetics in plants facing diverse challenges from extreme and changing environments. We welcome reviews, perspectives, original research articles, and short communications that focus on advances related to the aforementioned issues.

Guest Editors

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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.

Editor-in-Chief

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