Special Issue

Abiotic Stress Tolerance in Crop and Medical Plants Volume II

Message from the Guest Editor

Plant responses to abiotic stress factors are complex and involve a wide array of morphological, physiological, and biochemical processes. Photosynthesis is the primary physiological process affected by abiotic stresses in all its phases. Photosynthetic membranes are very sensitive to environmental stress, as damage of the photosynthetic apparatus occurs at different levels of its organization: chloroplast ultrastructure as well as pigment, lipid, and protein composition. Therefore, knowledge of the molecular mechanisms involved in the response and adaptation of the photosynthetic apparatus to stressful conditions is of great importance for a deeper understanding of plant tolerance under abiotic stress, which can support new strategies for the development of climate-resilient crops. The current Special Issue also draws attention to medicinal plants (herbs) and the effects of drought, salt, light, temperature, and heavy metals on their adaptation mechanisms and secondary metabolite production.

Guest Editor

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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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