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Abiotic Stress Tolerance in Crop and Medical Plants Volume II

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

Dear Colleagues,

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.

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Message from the Editor-in-Chief

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