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Genetic Mechanism of Plant Responses to Environmental Stresses

Guest Editor:

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Deadline for manuscript submissions:

closed (20 February 2023)

Message from the Guest Editor

Dear Colleagues,

As sessile organisms, plants must cope with different environmental stresses in their life span, including drought, flooded condition, hypoxia, salt, heavy metal, metalloid, nutrition deficiency, ultraviolet radiation, high light, high or low temperature, as well as the interaction or combination of different stresses. In the last two decades, great progress have been made regarding the genetic mechanisms of plant responses to environmental stresses, involved in the different aspects like stress sensing and signaling, transcription regulation and processing, as well as translation and post-translational protein modifications. This has enabled research on more genetic engineering strategies and methods to increase plant resilience to environmental stress.

In this Special Issue, we would like to invite submissions of high-quality original research or review articles on topics related to genetic and genomic studies of plant responses to various environmental stresses.

Prof. Dr. Yin'an Yao

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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