Special Issue

Advances in Environmental Stress Biology: From Omics Approaches

Message from the Guest Editors

The growth and development of plants are limited by abiotic and biotic stresses. Solutions to improve plant tolerance and minimize the effects of abiotic stresses have been actively sought. This Special Issue aims to address the mechanisms of plant. We highlight that an approach based on different integrated systems can improve plant adaptation and productivity in a sustainable way using omics approaches. We welcome the submission of original research articles and review related to, but not limited to, the following topics: Studies on plant–environment interactions through omics technologies; Application of natural small molecules of plant origin with biological activity in plant tolerance improvement; Using cultivation measures, fertilizers, and other methods to improve environmental stress resistance and agronomic traits; Revealing molecular mechanisms and regulatory network under various environmental stresses in plants and improving stress tolerance through genetic engineering; Identifying key regulatory genes of important agronomic traits and improving molecular breeding methods.

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