



Underground Mechanism to Enhance Stress Tolerance in Rice

Guest Editor:

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Message from the Guest Editor

Rice (*Oryza sativa* L.) is not only a major staple food for the world's population, but also a model crop plant for studying the mode of action of agronomically valuable traits, suggesting ideas for application to other crop plants. The roots have a lot of essential functions, including the acquisition of water and nutrient and structural support. A molecular and genetic understanding of the mechanism to enhance abiotic stress tolerance in rice, a model crop plant, is very important for crop productivity. Advances in integrating omics studies using the genome, transcriptome, proteome, metabolome, and phenome will provide valuable insights to cope with the challenges of climate changes for crop plants.

Papers submitted to this Special Issue must report high novelty results and/or plausible and testable new models. This Special Issue includes studies involving physiological and chemical analysis of the transcriptome, proteome, metabolome, network, integrating omics, and abiotic stress tolerance crops through the improvement of root traits using natural variation, biotechnology and gene editing techniques. In addition, relating database issues are also welcome.





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Message from the Editor-in-Chief

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