

Special Issue

Regional Adaptation of Crop Plant in Response to Environmental Stress

Message from the Guest Editor

Abiotic stress has been becoming a major threat to food security due to the constant climate changes and environment deterioration. To cope with abiotic stress, sessile plants can initiate a number of molecular, cellular, and physiological changes to respond and adapt to such stresses. Better understanding of the plant acclimation and adaptation to environmental fluctuations will aid in the development of climate resilient plants. Rice (*Oryza sativa* L.) is a major staple food for approximately one-half the world's population, and also a model crop for molecular studies in monocotyledonous plants with accumulated knowledge and techniques.

The papers submitted to this Special Issue should report original research that addresses the underlying molecular mechanisms of the crop plant in response to a wide range of abiotic stress, along with cross-talking with flowering genes that are also involved in increasing adaptability in adverse environment. Multidisciplinary approaches with genetic, molecular, physiological, biochemical, and systems biology perspectives are greatly appreciated.

Guest Editor

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closed (31 July 2020)



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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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