

Special Issue

Genetic Basis and Physiological Responses of Horticultural Plants and Crops to Abiotic Stresses

Message from the Guest Editors

Horticultural plants comprise a large number of diverse plant species, including edible vegetables and ornamental plants such as flowers and tea plants, etc., which are important for human beings. Due to the accelerating pace of global change, plants without an ability to adapt to these transformations have faced greater challenges. The growth and development of horticultural plants is hindered by abiotic stresses caused by adverse environmental change and artificial management, such as heat, drought, cold and waterlogging. Luckily, plants have evolved a series of genetic, physiological, metabolite and protein responses. This Special Issue focuses on the complex responses of horticultural plants to various abiotic stresses, with combined stresses being of particular interest.

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Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, and conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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