Special Issue

Gene Expression and Stress Resistance Regulation in Grapevine

Message from the Guest Editor

Grapevine plants are often exposed to stress factors of various natures, for example, abiotic and biotic stressors are one of the main causes of low yields, leading to large economic losses. In particular, when vineyards are infected with diseases, it is impossible to obtain full-fledged products from damaged berries, due to the insufficient content of tannins, aromatics, sugars and flavones, which deprives the wine of a typical bouquet. Plants have a large number of defense mechanisms acquired during evolution to prevent stress, such as the synthesis of phytohormones and secondary metabolites, the activation of transcription factors, and the expression of stress-specific genes to create an appropriate defense system. The purpose of this Special Issue of the "Gene Expression and Stress Resistance Regulation in Grapevine" is to provide new and interesting approaches, methods for obtaining more resistant grapevine plants, as well as innovative research that will reveal new molecular mechanisms of stress response, stress resistance genes and regulation methods of the expression of these genes in grapevines.

Guest Editor

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Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

Editor-in-Chief

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