Special Issue

Grapevine Nutrition and Root Symbiotic Relations

Message from the Guest Editor

Grapevines are one of the most important fruit crops in the world. Vine development, yield, and grape quality depend on many variables related to the physical and chemical characteristics and biology of the soil. Optimizing the vine mineral nutrition has always been an important challenge for grape and wine growers. On the other hand, climate change, particularly in regard to temperature, is considered as a major challenge for crop production. The rhizosphere region is a highly favorable habitat for the proliferation and metabolisms of numerous types of microorganisms. Among them, mycorrhizal fungi can influence mineral uptake, water supply, and grape quality. Root mycorrhizal colonization have a beneficial effect not only on vine growth, but also on grape and wine quality. This Special Issue will focus on grapevine nutrition and root symbiotic relations, covering all related topics including vine response to nutrient deficiency and toxicity, soil salinity, the effect of mycorrhizal colonization on diverse enzyme activity as well as their effects on grape and wine quality.

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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