Special Issue

Citrus Rhizosphere Microbiome

Message from the Guest Editor

Huge progress has been made in the citrus research area, by using physiological, biochemical, genetic, and high-throughput “omics” technologies. Recently, scientists have come to realize that, besides the intrinsic genetic factors, surrounding factors, especially the rhizosphere microbiome (a microbe community), could also profoundly affect plant growth, development, and even fruit quality formation. Thus, the microbiome is called “the second genome of an organism” regarding its important role in shaping phenotypes. In citrus, the role of arbuscular mycorrhizal fungi has been largely investigated, and attempted developments of fungi fertilizers have also been performed, though the unculturable character of mycorrhizal fungi makes the application difficult. Therefore, it is urgent and necessary to explore more beneficial microbes and study the activating mechanism, which should facilitate the research and application towards sustainable cultivation technologies in the citrus industry. The SI aims to recent advances in the identification and characterization of the role of citrus rhizosphere microbes in citrus growth, development, fruit quality formation.

Guest Editor

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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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