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Mycorrhizal Roles in Horticultural Plants

Guest Editors:

Prof. Dr. Qiang-Sheng Wu

Dr. Anoop Kumar Srivastava

Prof. Dr. Ibrahim Ortas

Prof. Dr. Bo Shu

Prof. Dr. Nong Zhou

Deadline for manuscript submissions:
closed (29 February 2024)

Message from the Guest Editors

Mycorrhizae have been shown to greatly enhance plant growth, improve root morphology, promote water and nutrient uptake in addition to increasing stress tolerance and improving fruit quality. With the development of various omics-based techniques, many genes that are specifically induced by arbuscular mycorrhizal fungi have also been decoded at the cellular and subcellular levels, strong emphasizing the importance of mycorrhizae in horticulture crops. For example, aquaporins from mycorrhizal fungi and hosts act synergistically towards water uptake, and aquaporin genes in citrus plants can be induced by salt stress and not flooding. These results amply confirm the complexity of the underlying mechanisms in the functioning of mycorrhizae in horticultural plants. The purpose of this Special Issue is to present the recent advances regarding the roles of mycorrhizal fungi in relation to horticultural plants.

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Editor-in-Chief

Prof. Dr. Luigi De Bellis
Department of Biological and Environmental Sciences and Technologies, Università del Salento, Centro Ecotekne, Via Provinciale Lecce Monteroni, 73100 Lecce, Italy

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.

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Contact Us

Horticulturae Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/horticulturae
horticulturae@mdpi.com
𝕏@Horticul_MDPI