

Special Issue

Soil Microorganisms in Plant Health: Roles and Applications

Message from the Guest Editors

Ensuring the sustainability of horticultural products is a global challenge, particularly climate change, soil degradation, and chemical contamination. This Special Issue focuses on soil- and plant-associated microorganisms to support plant health and productivity while contributing to food safety and nutritional quality in horticultural systems. We welcome contributions exploring microbial-based strategies to improve plant nutrition. We are also interested in studies of beneficial microbes in enhancing tolerance to abiotic stresses, as well as in suppressing biotic stresses. Submissions focusing on microbial bioremediation or microbial inoculants in reducing crop exposure to contaminants are also welcome. This Special Issue encourages research on regenerative and sustainable horticultural practices that modulate or restore rhizosphere and soil microbiome functionality, improving crop performance and ecosystem resilience. We invite original research articles, field studies, reviews, and meta-analyses plant-microbiome interactions, microbiome engineering, biofortification, or post-harvest microbial safety.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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

Prof. Dr. Luigi De Bellis
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Technologies (DiSTeBA), Salento University, Lecce, Italy

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