

Special Issue

Phytobeneficial Microbials and Applications in Sustainable Horticulture

Message from the Guest Editors

This Special Issue aims to promote works that report the application, use and effects of microorganisms in diverse agricultural ecosystems. Microorganisms are key entities in ecosystem functions because they act in a diverse and dynamic way in diversified processes in wide ecosystems, promoting plant growth, reducing the impact of pathogens and herbivory and recycling compounds in different biogeochemical cycles, all actions that impact both natural and agricultural systems in terrestrial or aquatic production systems. In this Special Issue, we would like to go beyond the benefits that microorganisms bring to agricultural systems, but also to promote and encourage the submission of negative tests and experiments that show the antagonistic effects between microorganisms and plants or even between microorganisms, plants and soil. Works that show the effect of microorganisms on improving soil quality essential for sustainable agriculture will also be welcomed. Studies on the potential of microbial agrobiotechnologies in the production of plant bioactives and associated antioxidant activity are also expected, especially those that elucidate the mechanisms involved.

Guest Editors

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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

Prof. Dr. Luigi De Bellis
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