

Special Issue

Promoting Sustainable Agriculture through the Manipulation of Plant-Associated Microbial Communities

Message from the Guest Editor

The present Special Issue aims to provide an updated collection of research studies and reviews dealing with the most important aspects of applied microbiology and plant production. The Special Issue welcomes studies dealing with, but not limited to, the following subjects:

- Solarization and other physical and chemical methods to modify the composition of soil microbial communities;
- Use of plant-growth-promoting bacteria as soil inoculants;
- Control of plant pathogenic organisms by means of microbial antagonists;
- Use of microbial consortia to enhance plant productivity;
- Non-nutritive effects of compost and vermicompost on plant-associated microbial communities and plant performance;
- Role of the phyllosphere on plant health;
- Manipulation of phyllosphere and rhizosphere microorganisms to enhance plant health;
- Plant and soil microbial communities in organic and conventional plant production systems;
- Contribution of the plant microbiome to the chemical characteristics of the plant host.

Guest Editor

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Deadline for manuscript submissions

closed (15 April 2023)



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Message from the Editor-in-Chief

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Editor-in-Chief

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