

Special Issue

Plant-Microbe-Soil Interactions in Agroecosystems

Message from the Guest Editor

A better knowledge of plant-microbe-soil interaction can help us to move to more sustainable strategies and reduce the use of conventional chemicals in agriculture. Microbes also play a crucial role in plant-soil interactions, regulating factors in biogeochemical cycling of elements (carbon, nitrogen, and phosphorus) and contributing to ecosystem stability and environmental quality. On these bases, the aim of this Special Issue is to cover state-of-the-art developments and recent progress in different aspects related to the plant-microbe-soil interactions in agroecosystems. We welcome the submission of all types of manuscripts (original research and reviews) that cover, but are not limited to, the following topics:

- Plant effect on microbe-mediated ecological processes
- Plant resistance, modulated by microorganisms, to biotic and abiotic stresses
- Plant interaction with rhizosphere and phyllosphere microbiome
- Next generation sequencing technologies to study plant-microbe interactions
- Effect of microorganisms on plant yield and quality
- Molecular mechanisms underlying plant-microbe interactions

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2021)



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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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