



Innovative Research on Soil Microbial Ecosystem and Its Interaction with Crop Plants

Guest Editor:

Dr. Fengjie Sun

School of Science and
Technology, Georgia Gwinnett
College, Lawrenceville, GA 30043,
USA

Deadline for manuscript
submissions:

closed (30 April 2024)

Message from the Guest Editor

In order to develop effective technologies and identify sustainable solutions to improve the agronomic products, it is important to understand the molecular mechanisms regulating the interactions among crop plants, rhizosphere soil, and soil microorganisms. This Special Issue aims to publish research on the crop plant–soil–microbe interactions, related to community assembly, nutrient regulation, secretion of secondary metabolites, and the underlying molecular mechanisms.

Some of the main aspects of this Special Issue include, but are not limited to, the following:

1. Impact of soil microorganisms on both quantity and quality of agronomic products and the use of microorganisms as a strategy to improve the yield of agronomic products;
2. Dynamics of crop plant–microbe interactions in relation to soil conditions and growth of crop plants;
3. Ecological and evolutionary bases of crop plant–soil–microbe interactions;
4. Broad impact of plant–soil–microbe interactions on ecosystems and agricultural productivity.





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Message from the Editor-in-Chief

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Agronomy Editorial Office
MDPI, St. Alban-Anlage 66
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