

Special Issue

Soil Health: Integrating Plant Roots–Plant Nutrition–Soil Microbiota Interactions

Message from the Guest Editors

Healthy and asymptomatic soils are colonized by a rich variety of microbes (i.e., bacteria, fungi, protists, and viruses), forming complex microbial consortia that impact plant growth and productivity. Soil microbiomes are the key players in the conservation of soil health.

They govern plant root morphology and nutrient uptake, the biogeochemical cycling of elements, and rhizosphere immunity, which enhances soil fertility and crop productivity. The current Special Issue focuses on different areas, including, but not limited to, the following: plant nutrition physiology; plant-driven rhizosphere microbial communities and structure; the plant root and phyllosphere microbiome response to cropping systems; and the beneficial effects of biofertilizers, plant growth promoters, and soil health promoters. This Special Issue welcomes original research, reviews, meta-analyses, and articles that focus on developing research elucidating the plant root–plant nutrition–soil microbiota interactions in cropping systems.

Guest Editors

Dr. Hongmiao Wu

Key Laboratory of Agricultural Ecology and Green Development,
College of Resource and Environment, Anhui Agricultural University,
Hefei 230036, China

Prof. Dr. Wenge Wu

Rice Research Institute, Anhui Academy of Agricultural Sciences, Hefei
230031, China

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Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

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