Special Issue

Soil Microbial Community and Ecological Function in Agriculture

Message from the Guest Editor

This Special Issue aims to advance the understanding of soil microbial communities and their ecological functions. The Issue will focus on how soil microbes contribute to ecosystem services, their responses to climate change and human activities, and their potential in sustainable agricultural and environmental remediation. Recent technological advancements, such as high-throughput sequencing, metagenomics, and metabolomics, have enhanced our ability to study soil microbial communities. Topics of interest include, but are not limited to, the following:

- Diversity and composition of soil microbial communities in various ecosystems.
- Functional analyses of soil microbes and their contributions to nutrient cycling.
- Microbe-microbe and microbe-plant interactions in the soil environment.
- Effects of environmental changes, such as climate change, pollution, and land-use practices, on soil microbial ecology.
- Applications of soil microbes in agriculture and degraded land restoration.

We encourage submissions that offer novel insights, utilize interdisciplinary approaches, and have practical implications for ecosystem management and sustainability.

Guest Editor

Prof. Dr. Shaokun Wang

Urat Desert-Grassland Research Station, Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences, Lanzhou 730000. China

Deadline for manuscript submissions

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Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

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Message from the Editor-in-Chief

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Prof. Dr. Les Copeland

Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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