

Special Issue

Effect of Agricultural Management Practices on Soil Microbial Community Composition, Diversity and Function

Message from the Guest Editors

A fundamental challenge in agriculture is to increase crop yield while preserving a healthy soil environment. Agricultural practices significantly influence soil properties and biodiversity, particularly by shaping the microbial communities within the soil. The profound impact of these practices extends to various soil ecosystem processes, influencing the potential for developing sustainable agriculture to meet the global food demand. Considering the spatial heterogeneity in microbial community structures, the outcomes of specific management practices may vary across different agricultural regions. Therefore, a thorough comprehension of the effects of agricultural management practices on microbial diversity and function in diverse agricultural regions enhances the applicability of agricultural measures. In this Special Issue, we invite the latest advancements that elucidate the impact of agricultural practices on soil microbial ecology. Submissions are welcome to cover topics like soil health, soil fertility, microbial biogeography, and related subjects.

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