Special Issue

World beneath Forests: Interactions between Soil Microbial Community and Trees

Message from the Guest Editor

Forest trees are known to live in close association with microbial organisms. The nature of this close association greatly affecting forest health and productivity. Soil microbial communities, including fungi, bacteria, and archaea, play important roles in litter decomposition, soilborne disease, nutrient cycling, and the sustainability of forests. Forest management practices and global environmental change caused by human activities affect microbial abundance, diversity, the level of dominance of bacteria or fungi, and the composition of their communities. A clear understanding of the interaction between microbial communities and trees in the regulation of decomposition, soilborne disease, and nutrient cycling processes using focused, intensive, and integrative microbiological and ecological research performed across multiple forest habitats will provide a fundamental basis for sustainable forest production. This Special Issue will lay emphasis on the interactions between soil microbial communities and trees, with a focus on the biology and ecology of soil microorganisms in litter decomposition, nutrient cycling, soilborne disease, and the sustainability of forests.

Guest Editor

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