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Microbiota Diversity in Plants and Forest

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Message from the Guest Editor

Research on the forest underworld is significantly changing our fundamental understanding of the ecological systems of plants. The ecology system is a complex of competing and symbiotic interactions between microbiota and plants. Large networks of symbiotic fungi, bacteria, trees, and plants supply each other with the necessary resources to thrive.

To better understand the symbiotic biological processes below the ground, we would like to highlight the exchange of water, carbon, and nutrients in forests and the associated fungal and bacterial species. We aim to significantly expand our understanding of the microbiota networks in the soil, the rate at which they transfer matter between them and trees, and the chemical compounds used by tree roots to communicate with the soil microbiota. Omics data of molecular identification, metabolomic analysis, stable isotope labeling, and microbiome analysis will help us to understand the diversity in these ecology environments.



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Special Issue



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Message from the Editor-in-Chief

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