

Special Issue

Microbial Dynamics and Nutrient Cycling in Forest Soil

Message from the Guest Editors

Forest soils are vital for maintaining ecosystem health, supporting plant growth, and regulating biogeochemical cycles. However, forest soil microbial communities and their associated functions are increasingly being impacted by global factors, including climate warming, altered precipitation patterns, nitrogen deposition, and land-use changes involving deforestation, afforestation, and various forest management practices.

Understanding the interactions between microbial communities and biogeochemical processes is essential for sustainable forest management, climate change mitigation, and soil health preservation. The Special Issue is dedicated to the synthesis of cutting-edge research on the diversity, activity, and functional roles of soil microorganisms in forest ecosystems. We welcome contributions that explore the microbial community's structure and function, key biogeochemical transformations, plant–microbe interactions (e.g., rhizosphere or mycorrhizal associations), microbial responses to environmental drivers and disturbances, and the application of novel methodologies (e.g., omics, stable isotopes) to unravel these complex processes.

Guest Editors

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Message from the Editor-in-Chief

Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

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