

Special Issue

The Impact of Mycorrhiza and Microbiome in Forest Tree Performance and Fitness

Message from the Guest Editors

Belowground symbiotic relationships, particularly those formed by mycorrhizal fungi and complex soil microbial communities, are fundamental drivers of forest ecosystem dynamics. These intricate partnerships directly influence tree physiology, health, and ecological success by governing essential processes from the individual to the landscape level.

For this Special Issue, we seek to compile original research and comprehensive reviews that examine the multifaceted interactions between forest tree roots, mycorrhizal fungi, and the broader soil microbiome. We invite contributions that elucidate the mechanistic roles of these partnerships in critical processes such as nutrient acquisition and cycling, water use efficiency, abiotic and biotic stress resilience, and soil carbon dynamics. Studies exploring the assembly of rhizosphere communities, the relevance of ectomycorrhizal fungi in forest sustainability, and the impact of global environmental change on these functional relationships are particularly welcome.

Guest Editors

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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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