

Special Issue

Pathogenic Fungi in Forest

Message from the Guest Editors

Fungi form parasitic, saprophytic, and symbiotic relationships with plants and play significant roles in forest ecosystems. Pathogenic fungi are the main causal agents of plant diseases in forests, regulating the populations of woody and herbaceous plants. This regulation can result in quantitative and qualitative biomass losses, leading to economic losses or changes in forest stands. Newly emerged plant diseases in forests tend to present more complex pathosystems, including diverse cryptic species of fungal pathogens, mainly ascomycetes, basidiomycetes, and oomycetes, which threaten forest health. Therefore, it is critical to understand interactions between pathogenic fungi and woody and herbaceous plants in forests to minimize the impacts of fungal diseases and protect forest ecosystems. This Special Issue aims to contribute to advances in biology, ecology, etiology, epidemiology, population genetics of pathogenic fungi, and management of fungal diseases. Experimental studies, first reports, and review papers are all welcome.

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