Special Issue

Fungal Interactions with Host Trees and Forest Sustainability

Message from the Guest Editors

Plant–fungal interactions are evidenced to have paramount importance regulating ecosystem stability and services. Forest sustainability has been shown to be influenced strongly by fungal interactions with their host trees either beneficial or pathogenic. Additionally, ancient cultures have shown to contribute to sustainable forest management through the conservation of mycological resources. How do environmental factors affect plant–fungal interactions? What fungal factors contribute to the establishment and maintenance of interactions with their host trees? How does the understanding of the symbiosis mechanisms and genes or pathways involved in the colonization processes during plant growth contribute to forest sustainability? How does ethnomycological knowledge relate to sustainable forest management? Understanding the interactions between plants with soil fungal communities involved in nutrient mobilization and cycling and their underlying mechanisms. Any contribution dealing with tree-fungi interactions which provide original insights to the scientific community, ranging from ecosystem to lab research.

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