

Special Issue

Mechanism of Interaction between Root and Fungi

Message from the Guest Editors

Tree roots are constantly challenged by soil-inhabiting fungi that may not have beneficial or adverse effects on plant growth and development. Interactions between root and fungi are very complex and a largely unrecognized aspect of trees physiology. Between dangerous fungal pathogens and beneficial mutualists, there are numerous context-dependent intermediate states, including part-saprophytes or mycorrhizal partners decreasing plant growth. The result of relationships between roots and fungi can be important in carbon and other nutrient cycling, and in coping with forest trees with adverse environmental conditions due to climate change. This Special Issue focuses on environmental and endogenous factors that can influence the establishment of various types of interaction between tree roots and fungi. We strongly encourage studies on morphological, anatomical, ecophysiological, and molecular aspects of root and fungi interactions.

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