

## Special Issue

# The Ecology of Fine Roots across Forest Biomes

### Message from the Guest Editors

Fine root–soil interactions fundamentally affect the terrestrial carbon (C) cycle and, thereby, ecosystem feedbacks to climate change. This Special Issue aims to unveil the interplay between what is beyond (growth, death, and decomposition) and outside (rhizosphere) the root boundary, with special attention to species belonging to different forest biomes to better depict the fine root-derived carbon contribution to C-cycling at biome, hemisphere, and globe scales. For this Special Issue, we welcome manuscripts that provide novel insights on a broad range of topics on fine roots, including: a) fine root dynamics and seasonal pattern, with a particular focus on the role of starch reserve; b) methods that help to improve the estimation of carbon input into the soil from exudation and decomposition processes; c) plant–plant and plant–microbe interactions, microbial community assemblage and functioning processes, as well as the responses to the environmental stresses, with a particular focus on climate change drivers. Original works, reviews and short communications are all very welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (12 June 2022)



## Forests

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