Special Issue

Rhizosphere Dynamics under Global Change

Message from the Guest Editor

The main components of anthropogenic global change will affect the carbon (C) sink strength and biogeochemistry of the terrestrial vegetation. Forest soils currently represent net sinks for anthropogenic C, but the degree to which they will persist as C sinks in the wake of rising atmospheric CO2 and temperature, summer droughts, and intensified management is uncertain. It has been suggested that the fate of these sinks hinges on plant□microbe interactions in the rhizosphere, where plants provide C as an energy subsidy to fuel microbes to convert nutrients to plant-available forms via a microbial priming effect. The aim of this Special Issue is to analyze the importance of rhizosphere dynamics for forest responses to global change. I invite manuscripts at the interface of the fields of root, mycorrhiza, and soil ecology; biogeochemistry; and belowground biodiversity. I encourage reports on the development of new methods and cutting-edge research, which can improve our ability to include rhizosphere dynamics in models that predict the consequences of climate and land-use change for biogeochemical cycles and forest functioning.

Guest Editor

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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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