Special Issue

Influence of Tree Species on Forest Soils under Global Change: New Evidences from Field Study

Message from the Guest Editor

Word forests span boreal, temperate and tropical ecosystems, having, globally, about 4000 Mha of area and storing 861 Pg of carbon (C), mainly in soil and biomass. Although forest ecosystems have a high potential to absorb global carbon emissions, they also react sensitively to global change. Plant–soil feedbacks play a key role in controlling carbon flows between the plant–soil and atmosphere interface. However, climate change and biological invasions may lead to changes in tree species composition, thus modifying plant–soil–microbe interactions at spatial and temporal scales. Thus, there is an urgent need to understand the processes and underlying mechanisms steering the interactions of trees with the environment to predict and develop strategies for future forest management. This research topic aims to provide the newest state-of-the-art studies on the role of tree species and their influence on soil under global change. We especially encourage experimental studies providing new evidences to contribute to this Special Issue to understand the role of tree species in soil processes under global change. Dr. Bartosz Adamczy

Guest Editor

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