Special Issue

Forest Soil Carbon and Climate Change

Message from the Guest Editors

Forest ecosystems cover ~22% of terrestrial area but contribute ~50% of terrestrial carbon (C) reserves. With ~70% of forest carbon being stored in soils, even slight changes in forest soil C stock could exert impacts on the atmospheric CO_2 concentration. It is now becoming generally recognized that the magnitude and stability of forest soil C are influenced by climate changes, such as global warming, changes in precipitation regime, and extreme climatic events. This Special Issue aims to understand the impacts of climate change on soil C cycling, including soil C inputs, outputs, stabilization, and their underlying mechanisms in forest ecosystems. We invite submissions of studies on soil C cycling in response to climate change, which include, but are not limited to, the following topics: Forest soil organic C and its fractions under changing climate;Forest soil C fluxes in response to temperature and precipitation changes; Effects of climate change on soil C stabilization in forests; The interactive effects of global change factors; Thermal acclimation of soil C microbial-driven C processes in forests; Simulating soil C dynamics under climate scenario in forests.

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Deadline for manuscript submissions

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Message from the Editorial Board

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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