Special Issue

Soil Carbon Storage in Forests: Mechanisms, Dynamics, and Management

Message from the Guest Editor

Soils store approximately three times more organic carbon than global terrestrial vegetation. Indeed, forests cover about one third of the global land area and contain the largest soil carbon pool among terrestrial biomes. Forest soil carbon dynamics thus have important feedbacks to the climate system via either sequestering or releasing CO2. This Special Issue aims to present the most recent field and modelling studies to improve our understanding of the mechanisms and dynamics of soil carbon storage in natural and managed forest ecosystems. Special attention is paid to the impacts of climate warming, nitrogen deposition, rising CO2 concentrations, land use changes, and other extreme disturbances (e.g., fire). In view of these global and regional forces, forest management options to increase soil carbon storage are increasingly in need, and relevant studies are also included in this Special Issue.

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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