



## Forest Soil Carbon and Climate Change

Guest Editors:

**Prof. Dr. Yanghui He**

**Prof. Dr. Xuhui Zhou**

**Dr. Junjong Shao**

**Dr. Lingyan Zhou**

Deadline for manuscript  
submissions:

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### 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<sub>2</sub> 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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### Prof. Dr. Timothy A. Martin

School of Forest Resources and Conservation, PO Box 110410, University of Florida, Gainesville, FL 32611-0410, USA

### Dr. Cate Macinnis-Ng

Department of Biological Sciences, Faculty of Science, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

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*Forests*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/forests  
forests@mdpi.com  
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