



*forests*



an Open Access Journal by MDPI

## Plant-Soil Feedbacks on Carbon and Nutrient Cycling in Forest Ecosystems

Guest Editors:

**Dr. Gerrit Angst**

SoWa Research Infrastructure &  
Institute of Soil Biology, CAS Na  
Sádkách 7, 37005 České  
Budějovice, Czech Republic

**Prof. Dr. Eva Kaštovská**

Department of Ecosystem  
Biology, Faculty of Science,  
University of South Bohemia,  
Branišovská 1645/31A, České  
Budějovice 2, 370 05 České  
Budějovice, Czech Republic

Deadline for manuscript  
submissions:

**closed (28 February 2021)**

### Message from the Guest Editors

In the face of climate change and rising atmospheric CO<sub>2</sub> concentrations, forest ecosystems and soils are becoming important potential carbon (C) sinks. This potential varies with tree species, which may substantially impact soil C pools and nutrient cycles. Yet, little information is available on how altered tree species composition in the wake of climate change will alter these nutrient cycles and the stability of soil C, with unknown consequences for ecosystem functioning. Specifically, a higher frequency of droughts or fires in forests previously unaffected by such extreme events may unpredictably alter plant–soil feedbacks in such ecosystems. The interactions of trees, their traits, and C and nutrient cycling in forest soils need to be better understood. We encourage the submission of studies from all fields, including experimental studies, monitoring approaches, and modeling attempts, to this Special Issue, promoting knowledge and adaptation strategies for the preservation, management, and future development of forest ecosystems.



[mdpi.com/si/48727](https://mdpi.com/si/48727)

**Special** Issue



an Open Access Journal by MDPI

## Editors-in-Chief

### **Prof. Dr. Cate Macinnis-Ng**

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

### **Prof. Dr. Giacomo Alessandro Gerosa**

Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

**Journal Rank:** JCR - Q1 (Forestry) / CiteScore - Q1 (Forestry)

## Contact Us

---

*Forests* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

mdpi.com/journal/forests  
forests@mdpi.com  
X@Forests\_MDPI