



forests

an Open Access Journal by MDPI



Carbon and Nitrogen Cycles in Fruit Trees and Forest Ecosystems

Guest Editors:

Dr. Maurizio Ventura

Faculty of Science and
Technology, Free University of
Bolzano, Piazza Università 1,
39100 Bolzano, Italy

Dr. Damiano Zanotelli

Faculty of Science and
Technology, Free University of
Bolzano, Piazza Università 1,
39100 Bolzano, Italy

Deadline for manuscript
submissions:

closed (20 August 2021)

Message from the Guest Editors

Forest biomes play a key role in the global C cycle due to their high C stock and C sink capacity. Permanent cropping systems, such as fruit tree ecosystems, can play an important role in the C cycle as well, as they are also characterised by a high C stock in biomass and soil and associated with the absence of frequent soil disturbances. The productivity and C cycle affected by N inputs from natural and anthropogenic sources in particular, which have consistently increased in the last few decades. The aim of this Special Issue is to present a collection of studies investigating all of the different aspects of and processes involved in C and N cycles in fruit tree and forest ecosystems. Particular attention will be paid to studies focusing on the interactions between the two cycles, such as: 1) the effect of increased or reduced N inputs on an ecosystem's C stock and uptake and productivity; and 2) strategies for increasing an ecosystem's C stock and uptake through amendments or fertilisation. Studies focusing on a comparison, or the interaction, between forest and fruit tree ecosystems are also welcome.



mdpi.com/si/55623

Special Issue



forests



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa

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

Message from the Editor-in-Chief

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 - Q2 (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](https://twitter.com/Forests_MDPI)