



Stable Isotopes in Forest Ecosystem Research

Guest Editors:

Dr. Juan Pedro Ferrio

1. Unidad de Recursos
Forestales, Centro de
Investigación y Tecnología
Agroalimentaria de Aragón
(CITA), Avda. Montañana 930, E-
50059 Zaragoza, Spain
2. Aragon Agency for Research
and Development (ARAID), E-
50018 Zaragoza, Spain

Prof. Dr. M. Larry Lopez C.

Faculty of Agriculture, Yamagata
University, Wakaba-machi,
Tsuruoka-shi, Yamagata 997-
8555, Japan

Message from the Guest Editors

Globally, forests are able to fix about 30% of annual anthropogenic CO₂ emissions, and may be responsible for 70–90% of continental water losses. Therefore, understanding forest response to environmental drivers is crucial to anticipate and eventually mitigate the impacts of future global change. For this purpose, stable isotopes analysis has become a particularly suitable tool, offering time- and space-integrated information on the environmental effects on tree physiology and the implications for carbon, water and nutrient ecosystem balances. In this Special Issue, we invite studies developing applications of stable isotopes in forest ecology, tree physiology and ecohydrology, as well as modelling or empirical studies aimed at improving our mechanistic understanding of isotope fractionation in trees.

Deadline for manuscript
submissions:

closed (31 May 2019)





forests



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, St. Alban-Anlage 66
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)