forests

an Open Access Journal by MDPI

IMPACT FACTOR 2.9

CITESCORE 4.5

The Ecology of Fine Roots and Mycorrhizas in Forests

Guest Editors:

Prof. Dr. Douglas Godbold
Institute of Forest Ecology, Department of Forest and Soil Sciences, Universität für Bodenkultur, Peter Jordan Str 82, 1190 Vienna, Austria

Dr. Hans Sandén
Institute of Forest Ecology, Universität für Bodenkultur, eterJordanStr 82, 1190 Vienna, Austria

Dr. Mathias Mayer
Institute of Forest Ecology, Universität für Bodenkultur, eterJordanStr 82, 1190 Vienna, Austria

Deadline for manuscript submissions:
closed (20 July 2020)

Message from the Guest Editors

Dear Colleagues,

Fine roots and mycorrhizas play a key role in processes that occur in soils. They act as conduits of carbon transfer, from plants to soils, and as agents of nutrient acquisition and transport. The morphology of fine roots and the type and species identity of mycorrhizas strongly affect carbon transfer and nutrient acquisition. In addition, other processes, such as the exudation of organic acids and other compounds, and the release of extracellular enzymes, link roots and mycorrhizas to soil processes. Moreover, roots and mycorrhizas can alter the decomposition of organic matter by, for example, the exudation of fresh organics, known as the 'priming effect'. Roots and mycorrhizas are also involved in soil formation, but are, in return, strongly influenced by soil properties. We encourage studies from all fields of root and mycorrhizal ecology, but particularly those which attempt to link the morphology of fine roots and the type and species identity of mycorrhizas to processes in soils.

Prof. Douglas Godbold
Dr. Hans Sandén
Dr. Mathias Mayer
Guest Editors

forests

IMPACT FACTOR 2.9

CITESCORE 4.5

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