forests

an Open Access Journal by MDPI

IMPACT FACTOR 2.4

CITESCORE 4.4

The Hidden Side of Functional Diversity: Evolution, Ecology and Biogeography of Fine Roots in Woody Plants

Guest Editor:

Dr. Oscar J. Valverde-Barrantes
International Center on Tropical Botany (ICTB), Florida International University, Miami, FL, USA

Deadline for manuscript submissions:
closed (5 September 2021)

Message from the Guest Editor

The lack of information around how root traits vary among environments and throughout the history of plant evolution has limited the study of plant evolutionary ecology, ecosystem functioning, and species effects on C cycles.

Tests of hypotheses regarding root trait syndromes have been particularly hampered due to (1) a paucity of systematically collected data and (2) the complexity of root functioning and traits. Contrary to other plant organs, the collection and identification of root systems did not developed as a field of research to this date. Perhaps due to the challenges associated with collection and identification of organs embedded in soil, detailed description of root systems is available only in a small proportion of species, mostly in temperate areas. However, few studies have investigated the evolutionary relationship between changes in root traits and the dependency on mycorrhizal partners, particularly in tropical forests.

This Special Issue mainly focuses on describing the drivers of fine root traits in tree species, and how those traits can affect plant fitness and ecosystem services of forests and tree crops in tropical areas.

forests

an Open Access Journal by MDPI

IMPACT FACTOR 2.4

CITESCORE 4.4

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