forests

an Open Access Journal by MDPI

IMPACT FACTOR 2.4

CITESCORE 4.4

# Hydrological Modelling of Forested Ecosystems

Guest Editors:

**Dr. Zhangwen Liu**
Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences, Lanzhou 730000, China

**Prof. Dr. Shirong Liu**
Key Laboratory of Forest Ecology and Environment of National Forestry and Grassland Administration, Ecology and Nature Conservation Institute, Chinese Academy of Forestry, Beijing 100091, China

Deadline for manuscript submissions:
**31 October 2024**

## Message from the Guest Editors

Dear Colleagues,

Forests play a critical role in regulating the hydrologic cycle, impacting the surface and groundwater dynamics of watersheds through transpiration, interception, shading, and modification of the atmospheric boundary layer. Predicting the effects of forested ecosystems on watershed processes and streamflow is a complex activity. Models are increasingly used to investigate the potential effects of forest management on hydrologic processes and the resulting consequences for watershed values. Therefore, it becomes particularly important to be able to build and select appropriate hydrological models to carry out simulations of hydrological processes in forested ecosystems.

The Special Issue, entitled "Hydrological Modelling of Forested Ecosystems", encourages the submission of comprehensive multidisciplinary or interdisciplinary contributions related to hydrological modelling of forest ecosystems, including model establishment, model improvement, modelling reviews, and simulation of hydrological processes in forest ecosystems. All theoretical, methodological, and practical studies of forest ecosystem hydrological simulation are welcome.

# 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