Special Issue

Water Cycle on Forest Ecology

Message from the Guest Editor

Forests are an integral part of the hydrological cycle, which makes it crucial for us to understand how water in forest areas functions in order to mitigate the adverse effects of climate change and, in particular, growing incidents of drought.

Precipitation is the primary water source in forest ecosystems. Hence, it is critically important to understand the redistribution of rainfall by tree canopies and the forest floor in climate change projections for forest areas, where warmer and drier conditions are predicted to lead to more severe and recurrent droughts.

Contributions to this Special Issue can come in the form of either empirical research or conceptual works, examining any key processes including, though not limited to, the influence of tree species composition on interception losses, stemflow and throughfall; the role of the forest floor in water retention and infiltration into the soil profile; the influence of drought on the rainfall redistribution by tree canopies and the forest floor; and new methods for exploring the forest–water relationship.

Guest Editor

Dr. Anna Ilek

Departament of Botany and Forest Habitats, Faculty of Forestry and Wood Technology, Poznań University of Life Sciences, Wojska Polskiego 71f, 60-625 Poznań, Poland

Deadline for manuscript submissions

closed (20 August 2024)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/196635

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/journal/water

About the Journal

Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)

MDPI