

Special Issue

Permafrost and Water: Interactions of the Frozen and Cryotic State in Permafrost and the Active Layer. How Do We Understand It Today?

Message from the Guest Editors

Permafrost means a constantly frozen medium. What is the state of research on cryotic permafrost? By what methods can it be investigated? What proportion does it constitute in comparison to traditional, frozen permafrost, on a regional and global scale, and what types of threats does it cause? Those issues are almost unknown and constitute one of the basic challenges of permafrost studies. The second problem is related to frozen water: ice. Here, too, the question of an interesting distinction arises: Can ice-free permafrost exist? What does the term dry permafrost mean? (Is the definition of 148 in Everdingen's permafrost glossary correct?) Can ice be called dry water? How does it compare to other frozen mediums? The aforementioned issues are crucial for a correct understanding of the whole topic of permafrost, and especially its relationship with water in various forms. This research area seems to be rather neglected, but its broader development in this Special Issue may also benefit mainstream research on permafrost.

Guest Editors

Dr. Wojciech Dobinski

Prof. Mauro Guglielmin

Prof. Dr. Dongliang Luo

Deadline for manuscript submissions

closed (31 December 2022)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/93647

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

[mdpi.com/journal/
water](https://mdpi.com/journal/water)





Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



[mdpi.com/journal/
water](https://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)