



water

an Open Access Journal by MDPI

IMPACT
FACTOR
3.4

CITESCORE
5.5

Advances in Hydrogeophysics for Structures and Processes Characterization in the Critical Zone: From Laboratory to Field Scale

Guest Editors:

Prof. Dr. Konstantin Titov

Department of Geophysics, Saint Petersburg State University, Saint Petersburg, Russia

Dr. Damien Jougnot

UMR 7619 METIS, Sorbonne Université, Paris, France

Deadline for manuscript submissions:

closed (15 November 2022)

Message from the Guest Editors

Dear Colleagues,

With the rapid growth of the world's population, having enough potable water for everyone presents a significant challenge for society. Water resources are in a so-called critical zone, which must be carefully investigated. As an alternative to intrusive methods such as drilling, pumping, and sampling, geophysics is gaining ground as a method of choice for hydrogeologists as it provides subsurface data with an unprecedentedly high spatial and temporal resolution in a non-invasive manner. Geophysical methods are allowing us to investigate complex subsurface environments and to non-intrusively monitor their dynamics, from fluid flow to transport and (bio-)geochemical reactions. Over the last two decades, the field of hydrogeophysics has developed rapidly, shifting from a paradigm of static imaging of structures to dynamic 4D monitoring of subsurface processes. However, hydrogeophysical methods provide indirect assessments of these processes. [...]

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/water/special_issues/Hydrogeophysics_Scale



[mdpi.com/si/80175](https://www.mdpi.com/si/80175)

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

ECOLAB, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, campus ENSAT, Auzeville Tolosane, France

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.

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 (*Water Science and Technology*)

Contact Us

Water Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

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