

Special Issue

Applied Geophysics in Hydrogeological Practice

Message from the Guest Editor

In the context of the increasing scarcity of water resources, the detailed characterization of aquifers, in terms of structure, but also in terms of dynamics of the flows that take place inside them, is a crucial issue. This SI aims to bring together the works on the application of surface geophysical methods for a hydrogeological purpose—for instance, for the fine characterization of the structure of aquifers and hydraulic flows inside them, or for the localization and delineation of pollutant plumes. Without being exhaustive, the concerned methods are electromagnetics (e.g., time-domain electromagnetics, radar), active electrical methods (e.g., electrical resistivity tomography and induced polarization) or passive electrical methods (spontaneous potential), nuclear magnetic resonance; or even microgravimetry. Contributions focusing on the petrophysical laws (experimental measurements as well as theoretical models) are also welcome.

Guest Editor

Dr. Alexis Maineult
CNRS-Sorbonne Université

Deadline for manuscript submissions

closed (30 September 2020)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/33492

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)