



water

an Open Access Journal by MDPI



Recent Advances in Karstic Hydrogeology, 2nd Edition

Guest Editors:

Prof. Dr. Giuseppe Sappa

Department of Civil, Building, and Environmental Engineering, Sapienza University of Rome, Rome, Italy

Dr. Francesco Maria De Filippi

Department of Civil, Building, and Environmental Engineering, Sapienza University of Rome, Rome, Italy

Deadline for manuscript submissions:

31 August 2024

Message from the Guest Editors

Dear Colleagues,

karst hydrogeology is one of the most challenging topics for related researchers, water managers. The presence of voids, conduits and karst features lead to high heterogeneity and anisotropy, implying often a multidisciplinary approach for this kind of studies since both surface and subsurface hydraulic dynamics are present.

These characteristics make karst aquifers complex to study and difficult to manage because of its intrinsic high vulnerability to pollutants.

Nonetheless, karst aquifers constitute the major percentage of exploitable drinking water resource for many countries all over the world.

This Special Issue has the aim of collecting the most recent and advanced research studies on this topic, in order to overcome issues related to karst water resources, such as vulnerability assessment, climate change and resilience of related karst water exploitation systems, karst coastal aquifers management and modelling.

Papers focusing on hydrochemical models are welcomed, as well as conceptual models and recent machine-learning and A.I. models on subsurface flow.



mdpi.com/si/168497

Special *Issue*



water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology and Environment, 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, Grosspeteranlage 5
4052 Basel, Switzerland

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

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