



*water*

an Open Access Journal by MDPI



## Data-Driven Approach Supporting Groundwater Resource Understanding, Protection and Management

Guest Editors:

**Dr. Marco Rotiroli**

**Dr. Chiara Zanotti**

**Dr. Diego Di Curzio**

**Dr. Rahim Barzegar**

Deadline for manuscript  
submissions:

**closed (30 November 2023)**

### Message from the Guest Editors

With climate change and anthropogenic impacts on groundwater, understanding the main drivers affecting groundwater quality and availability is challenge in sustainable groundwater management. Monitoring networks' expansion have led to increased data availability: environmental datasets, complexity and resolution. Extensive monitoring data require proper techniques and tools, elaborated, interpreted and integrated on a spatial or temporal scale to obtain reliable results. Scientists are working on up-to-date techniques to investigate and exploit valuable data. Special Issue aims to expand the knowledge on data-driven applications on groundwater data. Submissions concerning data analysis and modelling of groundwater quality or quantity datasets are welcome: a) Data mining, spatial, temporal or multivariate analysis of groundwater quality data, b) time series analysis and forecasting of groundwater head and springs discharge, c) new insights on missing or non-detected data or sensors and analytical uncertainty management. Goal is collecting up-to-date applications of data-driven techniques in the scope of groundwater resource understanding, protection and management.



[mdpi.com/si/102119](https://mdpi.com/si/102119)

**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](http://www.mdpi.com)

[mdpi.com/journal/water](http://mdpi.com/journal/water)  
[water@mdpi.com](mailto:water@mdpi.com)  
[X@Water\\_MDPI](https://twitter.com/Water_MDPI)