



*water*



an Open Access Journal by MDPI

## Applied Groundwater Modelling for Water Resources Management and Protection

Guest Editors:

**Prof. Dr. Husam Baalousha**

Department of Geosciences,  
College of Petroleum Engineering  
and Geosciences, King Fahd  
University of Petroleum and  
Minerals (KFUPM), Dhahran  
31261, Saudi Arabia

**Prof. Dr. Christopher Lowry**

University at Buffalo, The State  
University of New York, NY, USA

Deadline for manuscript  
submissions:

**closed (15 January 2022)**

### Message from the Guest Editors

This Special Issue focuses on the latest developments and applications of flow models for water resources management and protection. We invite you to submit your latest research works on subjects including, but not limited to, the following:

- Regional modelling studies for complex hydrogeological settings.
- Groundwater models for catchment management.
- Modelling transboundary aquifers.
- Aquifer storage and recovery modelling.
- Groundwater/surface water interaction.
- Modelling the impact of climate change on water resources.
- The use and application of artificial intelligence in groundwater modelling.
- Model calibration with data scarcity.
- Modelling saturated/unsaturated flow.



[mdpi.com/si/50573](https://mdpi.com/si/50573)

**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/X@Water_MDPI)