

## Special Issue

# Novel Applications of Surface Water–Groundwater Modeling—2nd Edition

### Message from the Guest Editors

The purpose of this Special Issue is to seek deeper insights by collecting new applications of integrated models that are developed for various purposes. These can include river–groundwater interactions, the reduction in river water due to groundwater withdrawal, the reduction in groundwater level due to a decrease in river water volume, and evaluation of the water balance of the watershed. In addition, it is expected that the connection modeling between the flow of groundwater–surface water and solute transport will be important. The groundwater-dependent ecosystem and hyporheic flow modeling are two of the main topics. Keywords

- surface water
- groundwater
- interactions
- coupled model
- hyporheic zone

---

### Guest Editors

Dr. Il-Moon Chung

Dr. Sun Woo Chang

Dr. Ryan Bailey

---

### Deadline for manuscript submissions

closed (28 February 2025)



## Water

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0



[mdpi.com/si/212463](https://mdpi.com/si/212463)

*Water*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[water@mdpi.com](mailto: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)