

## Special Issue

# Groundwater and Surface Water Ecosystem Modeling: Current Status and Future Perspectives

### Message from the Guest Editors

Ecosystem modeling is fundamental for understanding i) the relationships among ecosystem components; ii) the relationships between ecosystem processes and the supply of ecosystem services; iii) (bio)chemical processes and fate; and iv) the consequences of human-driven changes on biodiversity, ecosystem structure and functioning, and the goods and services that they provide. They also support the forecasting of ecological responses to future climate and land use changes, thus sustaining relevant decision-making processes. [This Special Issue](#) is calling for manuscripts dealing with **conceptual** (e.g., roadmaps) and/or **quantitative** models in groundwater and/or surface water ecosystems. There are no restrictions on the type of manuscript (original research, short communication, commentary/opinion, review, etc.) so long as they provide a significant contribution to the research field. We welcome ecological studies as well as those concerning ecotoxicology (e.g. TK/TD models) and risk assessment in groundwater and surface water habitats. Approaches and tools to model ecosystem services quantitatively, using explicit modeling tools such as InVEST, SolVES, etc., are also encouraged.

### Guest Editors

Dr. Michiel Daam

CENSE (Center for Environmental and Sustainability Research) and Department of Environmental Sciences and Engineering, NOVA School of Science and Technology, NOVA University Lisbon, Lisbon, Portugal

Dr. Tiziana Di Lorenzo

Research Institute on Terrestrial Ecosystems CNR—National Research Council of Italy, Via Madonna del Piano, 10, 50019 Sesto Fiorentino (FI), Italy

### Deadline for manuscript submissions

closed (1 September 2022)



## Water

an Open Access Journal  
by MDPI

Impact Factor 3.0  
CiteScore 6.0



[mdpi.com/si/96138](https://mdpi.com/si/96138)

*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)