

## Special Issue

# Climate Change Impacts on Land Surface, Hydrological Processes and Water Management, 2nd Edition

### Message from the Guest Editors

In recent years, with the development of computer science, remote sensing technology, and climatic models, climate change impacts on land surfaces, hydrological processes, and water management have been further studied, alongside the emergence of new perspectives and understandings. Therefore, this Special Issue aims to represent the latest advances of this scientific topic. We welcome contributions in all fields relevant to climate change, hydrometeorological modeling, and water resources management, as well as emerging technologies and models. The specific topics of interest include, but are not limited to, the following:

- Climate change impacts on land surface;
- Hydrological modeling of the effects of land use/land cover change;
- Hydrological responses to climate change;
- Water resource management;
- The application of regional climate models;
- Catchment floods and droughts;
- Remote sensing hydrology;
- Ecological responses to hydrological change;
- Vegetation–atmosphere interactions.

---

### Guest Editors

Dr. Chuanzhe Li

China Institute of Water Resources and Hydropower Research, Beijing, China

Dr. Xuchun Ye

School of Geographical Sciences, Southwest University, Chongqing 400715, China

---

### Deadline for manuscript submissions

20 September 2025



## Water

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0



[mdpi.com/si/213729](https://mdpi.com/si/213729)

*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)