

## Special Issue

# New Perspectives on Water and Energy Nexus

### Message from the Guest Editors

Water and energy are fundamental, interlinked resources for human societies. Freshwater is a scarce natural resource, often with temporal and spatial limitations for its use. Energy, e.g., electricity or transport fuel, is supplied by different energy sources, some of which need more water than others. The nexus approach introduced at the Bonn conference in 2011 in preparation of the UN Conference on Sustainable Development for the first time showed the importance of relationships between water and energy systems. Since 2011, the amount of scientific nexus papers has increased every year. The nexus provides a framework to identify trade-offs and synergies, using systems thinking to find linkages. To give suggestions for improvement, the research community needs to have access to relevant data and independent studies. This Special Issue is open to papers that give new perspectives on the Water and Energy Nexus. We welcome, for example, papers that analyze unknown interlinkages between water and energy, [...] For further reading, please follow the link to the Special Issue Website at:

[https://www.mdpi.com/journal/water/special\\_issues/New\\_Perspectives\\_Water\\_Energy](https://www.mdpi.com/journal/water/special_issues/New_Perspectives_Water_Energy)

### Guest Editors

Dr. Winnie Gerbens-Leenes

Integrated Research on Energy, Environment and Society (IREES,  
Groningen, The Netherlands), University of Groningen, 9747 AG  
Groningen, The Netherlands

Dr. S.D. Vaca Jimenez

1.Department of Mechanical Engineering, Escuela Politécnica Nacional,  
Quito, Ecuador  
2.Integrated Research on Energy, Environment and Society (IREES),  
University of Groningen, 9747 AG Groningen, The Netherlands

### Deadline for manuscript submissions

closed (28 February 2022)



## Water

an Open Access Journal  
by MDPI

Impact Factor 3.0  
CiteScore 6.0



[mdpi.com/si/42715](https://www.mdpi.com/si/42715)

*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://www.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)