



water

an Open Access Journal by MDPI



## Renewable Energy Systems Flexibility for Water Desalination

Guest Editor:

### Dr. Siamak Hoseinzadeh

Department of Planning, Design,  
Technology of Architecture,  
Sapienza University of Rome, Via  
Flaminia 72, 00196 Rome, Italy

Deadline for manuscript  
submissions:

**closed (31 December 2022)**

### Message from the Guest Editor

Considering the problem of drinking water scarcity in the world and the problems of fossil energy such as its pollution and non-renewability, as well as the preference for dispersed freshwater production instead of concentrated production, the design of a desalination system that is integrated with renewable energies is critical these days...

We also encourage papers with innovation capability in domestic desalination systems integrated with renewable energy systems. As we know, these devices can also be used in residential buildings on the fringes of seas and even in rivers with non-potable freshwater...

This Special Issue also welcomes scholars to submit their research on renewable energy-driven systems in power plants using desalination systems that are accessible for freshwater production. Authors are welcome to submit their innovative ideas to address the design of desalination systems with renewable energy by analyzing the systems in terms of energy, exergy, economic and exergoeconomic subjects.

For further reading, please visit the [\*Special Issue website\*](#).



[mdpi.com/si/95067](https://mdpi.com/si/95067)

# Special Issue



*water*



an Open Access Journal by MDPI

## 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

## 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/Water_MDPI)