Special Issue

Risk Assessment about Energy–Water–Food in the Environment

Message from the Guest Editors

Many of the current challenges regarding sustainability result from the interaction of energy, water, and food (EWF) systems. Resolving global environmental issues requires an exploration of the potential risks which exist in the EWF nexus. We aim for this Special Issue to serve as a platform for the presentation of advanced research that investigates the risks in EWF systems associated with the mitigation and adaptation of global environmental change. Possible themes include, but are not limited to, the following:

- Cost–benefit analysis of sustainable transitions in energy, water, or (and) food systems.
- Mitigation and adaptation strategies from EWF systems against global environmental change.
- Integrated assessment of environmental and economic risks in the EWF nexus.
- Innovative techniques to identify the environmental risks regarding EWF systems.
- Potential environmental impacts of the rapid food transition.
- Risk assessment of the hydropower operations and dispatch.

Keywords: EWF nexus; integrated assessment; environmental risk assessment; industrial ecology; sustainable transitions

Guest Editors

Prof. Dr. Shen Qu

Dr. Baiwen Ma

Dr. Tong Li

Deadline for manuscript submissions

closed (31 July 2024)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/194355

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

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)

MDPI