Special Issue

Shaping the Water–Energy–Food Nexus for Resilient Isolated Communities

Message from the Guest Editor

Many isolated communities face major difficulties in meeting basic needs in terms of water, clean energy and healthy food, not to mention strengthening themselves economically and socially. How can isolated communities improve their water, energy and food security under growing resource pressure? Does a water-energy-food (WEF) nexus approach offer a way to identify forward-looking options and policies to strengthen their livelihoods and resilience? A WEF nexus assessment can be beneficial when it effectively engages and empowers isolated communities with a view to fostering equal access to water, energy and food, simultaneously enhancing the diversity and depth of isolated communities' livelihood options. This Special Issue is aimed at providing selected contributions on advances in the evaluation of WEF nexus for resilient isolated communities. Potential topics may include, but are not limited to: WEF nexus energy and efficient water resources management; water management through pumped storage hydropower; and hybrid energy solutions and efficiency flexibility in integrated solutions in the context of water, energy and food demand characterization.

Guest Editor

Dr. Enrique Rosales Asensio

Department of Electrical Engineering, University of Las Palmas de Gran Canaria, Campus de Tafira S/N, 35017 Las Palmas de Gran Canaria, Spain

Deadline for manuscript submissions

closed (10 February 2024)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/166098

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