Special Issue

Water Footprint and Energy Sustainability

Message from the Guest Editors

In many basins worldwide, good-quality freshwater is becoming increasingly scarce, while the production of energy requires increasing volumes of freshwater. Hydropower has a relatively large water footprint per unit of electricity, particularly when hydropower stations are located in areas subject to the extensive evaporation of water. This means that shifting away from fossil fuels in order to reduce greenhouse gas emissions might place additional pressure on freshwater bodies. This Special Issue welcomes the submission of research that addresses the relationship between water and energy or presents innovative applications. 1. Analyze enhancements in the efficient use of water or ways in which to minimize water pollution. 2. Compare the water footprints of different types of energy. 3. Address global energy scenarios and water. 4. Study the trade-offs on a systems level, e.g. analyses of electricity production on a national scale or on isolated islands with a fixed boundary, as well as the related water footprints within the basin boundaries.

Guest Editors

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Deadline for manuscript submissions

20 December 2025

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/214240

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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

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