



water

an Open Access Journal by MDPI



Hydro-Economic Models for Sustainable Water Resources Management

Guest Editors:

Dr. Joaquin Melgarejo

University Institute of Water and
Environmental Sciences,
University of Alicante, 03690
Alicante, Spain

**Prof. Dr. Francisco De Borja
Montaño Sanz**

Department of Applied Economic
Analysis, University of Alicante,
03690 Alicante, Spain

Deadline for manuscript
submissions:

20 September 2024

Message from the Guest Editors

This Special Issue addresses the importance of integrating the economic dimension into water management models, recognizing that water-related decisions have both economic and environmental implications. Hydro-economic models are analytical tools that enable the evaluation of water resource management and efficient allocation, considering both economic and hydrological aspects. These models can help decision-makers understand the interactions between water and the economy and develop strategies that promote sustainability and equity in water management. The articles in this Issue cover recent research on the development and application of hydro-economic models, as well as case studies illustrating their application in different contexts. Topics to be explored include water demand management, the interaction between water and energy resources, optimal allocation of water resources, market mechanisms, and economic incentives for water conservation. Collectively, this Issue seeks to promote the understanding and advancement of hydro-economic models as tools for the sustainable management of water resources.



mdpi.com/si/174743

Special Issue



water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology
and Environment, Centre
National de la Recherche
Scientifique (CNRS), University of
Toulouse, Campus ENSAT,
Auzeville Tolosane, 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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/Water_MDPI)