Special Issue

The Economic Role of Water under Scarcity and Sustainability Constraints

Message from the Guest Editor

The existence of Water in sufficient quantities as per 2017 U.N. resolution on the definition of Water Security has been exhaustively analysed.
The aim of this Special Issue is to present articles going a step further, the exposition and analysis of the quantitative/qualitative role Water plays in an economy under scarcity and sustainability constraints. These constraints may alter the nature of the Production Function at country/region level by the inclusion of extra variables. A putative hierarchy of needs may alter supply/demand curves and Slutsky/Hicks decompositions according to the development level of the country/region considered. Also, they will extend to the Leontief Matrix of economy acting as an enveloping frame for any model used to describe the resulting economy. Particular weight will be added to optimality conditions regarding various economic variables.
Cost effects and production level/restrictive choices for goods transmitted to the economy are of importance and Consumer Choices will be affected using classical or novel methods, e.g., Thaler's recent theory.

Guest Editor

Dr. Dionysia Panagoulia

Department of Water Resources and Environmental Engineering, School of Civil Engineering, National Technical University of Athens, Athens, Greece

Deadline for manuscript submissions

closed (31 May 2021)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/30087

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