Special Issue

Crop Monitoring Strategies for Precise Irrigation Management

Message from the Guest Editor

The relevance of irrigated agriculture is well known, with 40% of the world's agricultural output produced on only 20% of the cultivated area. There is no doubt that irrigated agriculture is essential in achieving the objective of feeding a world population in a state of constant growth. However, the important role that irrigated agriculture must play is not without major difficulties, such as the scarcity of fresh water in many producing regions and the large volumes of water already devoted to irrigation (70% of the world's water demand). Irrigated agriculture faces, therefore, the challenge of producing more with a similar amount of, or even fewer, water resources. The scientific community and the stakeholders involved in water management are challenged to develop and implement irrigation strategies to increase irrigation water productivity. New technologies (e.g., sensors, wireless sensor networks, unmanned aerial vehicles (UAVs), ICTs, cloud computing) can contribute enormously to this end. [...] For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/water/special_issues/Precise_Irrigation_Management

Guest Editor

Dr. Gregorio Egea
School of Agricultural Engineering, University of Sevilla, Ctra. Utrera Km 1, 41013 Seville, Spain

Deadline for manuscript submissions

closed (30 October 2021)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/29464

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