water

an Open Access Journal by MDPI

IMPACT FACTOR 3.0

CITESCORE 5.8

Optimization of Irrigation Scheduling: Challenges and Perspectives

Guest Editors:

Prof. Dr. Pilar Montesinos
Department of Agronomy, University of Córdoba, 14071 Córdoba, Spain

Dr. Irene Fernández-García
Department of Electrical Engineering and Automatic Control, University of Córdoba, 14071 Córdoba, Spain

Dr. Sergio Lecina
Independent researcher and consultant, Zaragoza, Spain

Deadline for manuscript submissions:
closed (31 December 2019)

Message from the Guest Editors

Irrigation is increasingly important for agricultural production in many regions of the world. A dramatic rise in the demand for agricultural water is expected in coming years because of population growth, and economic development under a probable climate change scenario. In such circumstances, there will most likely be a reduction in fresh water resource availability for irrigation due to increased urban, industrial and environmental demands. Thus, the improvement of irrigation water management is crucial to increase water use efficiency and, consequently, enhance the sustainability of irrigation agriculture.

Optimal irrigation management strategies are not easy to define. In particular, irrigation scheduling (magnitude, duration, and timing of irrigation events) depends on several variables relating to crop, soil, weather, irrigation and fertilization methods, energy source[...]

For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/water/special_issues/Optimizatio

water

IMPACT FACTOR 3.0

CITESCORE 5.8

an Open Access Journal by MDPI

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

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, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/water
water@mdpi.com
𝕏@Water_MDPI