water

an Open Access Journal by MDPI

IMPACT FACTOR 3.0

CITESCORE 5.8

Evapotranspiration under Climate Change and Human Activities: Observation, Simulation, Forecasting and Driving Forcing Analysis

Guest Editors:

Dr. Xianghui Cao
China Institute of Geo-Environment Monitoring, Beijing, China

Prof. Dr. Qiuliang Lei
Institute of Agricultural Resources and Regional Planning, Chinese Academy of Agricultural Sciences, Beijing 100081, China

Deadline for manuscript submissions:
20 November 2024

Message from the Guest Editors

Evapotranspiration is an important element of water circulation and susceptible to environmental change. With the development of modern technologies, the applications of multi-source remote sensing in the field of evapotranspiration modelling and uncertainty analysis, etc., have significantly improved accuracy and reliability. This Special Issue mainly focuses on the application of novel methods in evapotranspiration modelling, forecasting, parameter estimation, uncertainty analysis, and data analysis, based on remote sensing technologies and observed data. We invite submissions including, but not limited to, the following topics:

1. Evapotranspiration simulation and forecasting at the regional or national scale.
2. Multi-source data fusion and comparative analyses focusing on evapotranspiration.
3. Separation of anthropogenic evapotranspiration and natural evapotranspiration.
4. The simulation of crop evapotranspiration.
5. The impact of climate change and human activities on evapotranspiration.
6. Uncertainty analysis, parameter optimization, etc., accelerated by modern computing technologies and field-observed evapotranspiration data.

water

IMPACT FACTOR 3.0

CITESCORE 5.8

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, Grosspeteranlage 5
4052 Basel, Switzerland

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

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