Special Issue

Application of New Technology in Water Mapping and Change Analysis

Message from the Guest Editors

Water resources are essential for human societies, environments, and various species. This Special Issue aims to compile research concerning various aspects of mapping and the change analysis of water resources. Potential research topics include, but are not limited to, the following:

- Developing methods for mapping and monitoring the surface water extent and volume using different remote sensing data (e.g., optical, SAR, LiDAR, GRACE, UAV) to assess water availability.
- Utilizing machine learning and artificial intelligence techniques to analyze large volumes of remote sensing data and extract meaningful information about water bodies.
- Investigating the relationship between extreme weather events (floods, droughts) and water body dynamics using remote sensing data and precipitation estimates.
- Combining remote sensing data with ground-based measurements (e.g., water quality sensors, water level gauges) to develop robust and validated water monitoring systems. [...]

For more details, please find at:
https://www.mdpi.com/journal/water/special_issues/42K7P02WE7

Guest Editors

Dr. Zhenhua Zou
Department of Geographical Sciences, University of Maryland, College Park, MD 20742, USA
Dr. Yan Zhou
School of Geography and Environmental Science, Henan University, Kaifeng 475000, China

Deadline for manuscript submissions

closed (20 December 2024)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/205033

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