



water

an Open Access Journal by MDPI



Advancing the Monitoring and Modelling of Freshwater Systems with New Remote Sensing Technologies

Guest Editors:

**Prof. Dr. Karl-Erich
Lindenschmidt**

Global Institute for Water
Security, School of Environment
and Sustainability, University of
Saskatchewan, Saskatoon, SK
S7N 3H5, Canada

Dr. Jason Duguay

Department of Geography,
Planning and Environment,
Concordia University, Montreal,
QC, Canada

Deadline for manuscript
submissions:

20 December 2024

Message from the Guest Editors

As Guest Editors of the Special Issue “Advancing the Monitoring and Modelling of Freshwater Systems with New Remote Sensing Technologies”, we welcome you to submit an article highlighting new methodologies and techniques in remote sensing for the advancement of monitoring and modelling river, lake and groundwater systems. Technologies may include space-borne, airborne and near-ground remote sensing platforms to aid in a wide range of river and lake monitoring and modelling applications. The scope of these applications can include, to name but a few, aquatic ecology, habitat, water quality, sediment transport, geomorphology, flood forecasting and ice detection and characterization. It is hoped that these papers will also promote the exchange of new ideas and forge new collaborations between researchers, academics, engineers and government officials interfacing in the fields of remote sensing and freshwater systems.



mdpi.com/si/182029

Special Issue



water



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, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/Water_MDPI)