

Special Issue

Advancing the Monitoring and Modelling of Freshwater Systems with New Remote Sensing Technologies, 2nd Edition

Message from the Guest Editor

As the of the second edition of the Special Issue titled "Advancing the Monitoring and Modelling of Freshwater Systems with New Remote Sensing Technologies, 2nd Edition", I welcome you to submit an article highlighting new methodologies and techniques in remote sensing to promote the monitoring and modelling of 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, for example, aquatic ecology, habitat, water quality, sediment transport, geomorphology, flood forecasting and ice detection and characterization. These studies will hopefully 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.

Guest Editor

Prof. Dr. Karl-Erich Lindenschmidt

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

Deadline for manuscript submissions

closed (25 May 2026)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/236736

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

[mdpi.com/journal/
water](https://mdpi.com/journal/water)





Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



[mdpi.com/journal/
water](https://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)