

Special Issue

Innovative Approaches in Hydrology Applied to the Study of River and Lakes Systems

Message from the Guest Editors

This Special Issue presents the latest developments in hydrology, with particular emphasis on their practical applications in river and lake systems. The contributions showcase innovative methods in hydrological monitoring, remote sensing, numerical modeling, and advanced data analysis techniques, which enhance our understanding of water flow, sediment transport, and related physicochemical processes. Topics also include water quality assessments and the physicochemical properties of waterbed sediments, examined in the context of both natural processes and anthropogenic influences.

The aim of this Special Issue is to promote interdisciplinary knowledge exchange among hydrologists, geomorphologists, water quality specialists, environmental chemists, and water resource managers, encouraging the use of innovative hydrological methods to support the management of sustainable river and lake systems. [...]

For further reading, please follow the link below:

https://www.mdpi.com/journal/water/special_issues/705499752B

Guest Editors

Dr. Paweł Burandt

Department of Water Resources and Climatology, University of Warmia and Mazury in Olsztyn, Olsztyn, Poland

Dr. Szymon Kobus

Department of Water Resources, Climatology and Environmental Management, University of Warmia and Mazury in Olsztyn, Olsztyn, Poland

Deadline for manuscript submissions

30 June 2026



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



[mdpi.com/si/244843](https://www.mdpi.com/si/244843)

Water

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

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