



water



an Open Access Journal by MDPI

Mapping and Monitoring of Wetlands

Guest Editor:

Dr. Thomas Gumbrecht

Department of Physical
Geography, Stockholm
University, Stockholm, Sweden
Karttur AB, Stockholm, Sweden

Deadline for manuscript
submissions:

closed (30 November 2021)

Message from the Guest Editor

Wetlands are key hubs for biological production and biodiversity, regulating both the water cycle and biogeochemical cycles. The mapping and monitoring of wetlands can be done using remote sensing imagery, terrain data, and/or hydrological modeling. On a detailed scale, high-resolution datasets (<5 m), mainly from LiDAR and optical sensors, are often used for local wetland studies, including textural and object-based image analysis which require iterative calibration and validation. Medium-resolution datasets (~5–200 m), including terrain, optical, thermal, and microwave (SAR) data, have been applied for digital wetland mapping since the 1970s. At this scale, wetlands often act as transitory ecotones and are usually classified in a pixel-wise manner.



mdpi.com/si/46860

Special issue



water



an Open Access Journal by MDPI

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

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](https://twitter.com/Water_MDPI)