Special Issue

Monitoring Lakes Water Based on Multisource Remote Sensing and Novel Modeling Techniques

Message from the Guest Editors

In recent years, with the rapid development of regional society and economy, the ecological environment of inland lakes has been continuously disturbed by human activities under the influence of large-scale water and soil exploitation activities, which have affected the ecological environment of lakes. Remote sensing technology has been applied in many fields, such as water storage, water quality, water level, and hydrodynamics. This Special Issue aims to present reviews and recent advances of general interest in the use of remote sensing and GIS on inland lakes. Manuscripts can be related to any use of remote sensing and/or GIS for any application to inland lakes. They can be focused on the monitoring of inland lakes (e.g., water storage, water quality, water level, and hydrodynamics) or flux at any scale, as well as on the management of water resources. Observations taking into account spatial and temporal variability are needed to calibrate models and control their forecasts. Remote sensing now provides access to useful factors in inland lake monitoring. For more details, please find at: https://www.mdpi.com/journal/water/special_issues/lake_arid_remotesensing_modeling

Guest Editors

Prof. Dr. Fei Zhang

Prof. Dr. Ngai Weng Chan

Prof. Dr. Xinguo LI

Dr. Xiaoping Wang

Deadline for manuscript submissions

closed (20 July 2022)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/84869

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

mdpi.com/journal/water

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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

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