



Application of Remote Sensing and GIS in Droughts and Floods Assessment and Monitoring

Guest Editors:

Dr. Yaohuan Huang

Prof. Dr. Yesen Liu

Dr. Runhe Shi

Dr. Hongyan Ren

Deadline for manuscript
submissions:

closed (26 November 2022)

Message from the Guest Editors

We are seeking contributions that integrate the application of remote sensing and GIS techniques, with particular focus on and reference to drought or flood monitoring and hazard assessment. In particular, contributions on various droughts or flood monitoring indexes from UVA and from satellite (e.g., thermal infrared, high time resolution, high-resolution, SAR, GRACE) are welcome and strongly encouraged. The investigative approach characterized by the integration of disciplines at different scales of vision and precision represents a modern challenge to strive for a more complete understanding of drought and flood processes and, therefore, a better hazard evaluation.

- Droughts
- Floods
- Remote sensing observation
- GIS
- Hazard assessment
- Monitoring index
- Vulnerability
- Machine learning
- Agriculture
- Public health





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, 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)