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## 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



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# Special Issue



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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.

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Water Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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