



Advances in River Monitoring

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Message from the Guest Editors

Despite huge advances made by technology, river monitoring is still a challenge for hydrologists and environmental agencies. This issue is becoming even more critical in the present century alongside the increasing number of extreme events that many countries are experiencing.

The aim of the present Special Issue is to promote the identification of the most innovative new solutions for river monitoring that can be used to increase our knowledge on water availability and control extreme events. In particular, contributions should aim to address the following topics:

- The use of remote-sensing approaches for hydrological, hydraulic and morphological monitoring;
- Innovative methodologies for measuring/modelling/estimating stream flow;
- New methods or technologies to cope with data-scarce environments;
- Use of camera systems for river monitoring;
- Inter-comparison of innovative and classical models and approaches;
- Monitoring of water quality and quantity;
- Biomonitoring and bioindicators used for river ecosystems.

