



Eco-Hydrological Process Response under Extreme Climatic Conditions

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Message from the Guest Editors

As the consequence of global warming, the frequency, intensity, and duration of climate extremes have increased across the globe, and a wide variety of extreme climate event types are happening with diverse spatial and temporal distributions. Moreover, compound extreme events, such as simultaneous droughts and heatwaves, lack comprehensive consideration in terms of their impact on regional ecological hydrological processes.

The aim of this Special Issue is to promote research on eco-hydrological processes under extreme climatic conditions, contributing to a better understanding of the current field and providing data support for policy-making.

This Special Issue will welcome manuscripts that link the following themes:

- ecological hydrological monitoring;
- active or passive remote sensing methods;
- distributed hydrological modelling;
- software tool development for data collection and processing.





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Editor-in-Chief

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Message from the Editor-in-Chief

Hydrology is the study of the waters of the Earth. Hydrology has close ties with hydraulics, hydrogeology and the multiple sciences that study the atmosphere, the land surface, the soil and the subsoil, and ranges from complex problems of risk, forecasting and optimization of water resources to interactions with ecological, urban, social and economic systems.

The purpose of *Hydrology* is then to provide a journal where research results and real-world problems can be presented and discussed in order to bridge the traditional gaps between the academic world and the professionals and decision makers. Therefore, *Hydrology*, invites authors to submit their original theoretical, field, experimental, and numerical studies on hydrology with strong emphasis on multidisciplinary approaches and interdisciplinary topics, which cross the typical boundaries of our science.

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