

Special Issue

Extreme Precipitation and Floods under a Changing Climate

Message from the Guest Editors

Climate change is known to significantly influence the structure and function of the hydrologic cycle along with its interplay with the overall earth system dynamics. In the present special issue we focus on why and how a changing climate affects extreme precipitation and flood regimes, extremes and associated risks, over a wide range of spatiotemporal scales. Studies are welcome on methodologically and/or applied, physical principle based and/or data analysis-based research from local to global scales.

Guest Editors

Dr. Julia Hall

Dr. Maria Kireeva

Prof. Dr. Rui A. P. Perdigão

Deadline for manuscript submissions

closed (31 March 2021)



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About the Journal

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.

Editor-in-Chief

Prof. Dr. Ezio Todini

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Author Benefits

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(Oceanography)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.7 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2025).