water

an Open Access Journal by MDPI

IMPACT FACTOR 3.0

CITESCORE 5.8

Hydrological Extreme Events and Climate Changes

Guest Editor:

Prof. Dr. Francesco Cioffi
Department of Civil Constructional and Environmental Engineering, University of Rome 'La Sapienza', Rome, Italy

Deadline for manuscript submissions:
closed (14 April 2023)

Message from the Guest Editor

Since 1950, a significant increase in the severity, duration, and frequency of droughts as well as an increase in the intensity and frequency of extreme rainfall modulated by large-scale atmospheric circulation has been observed in different regions of the planet. The intensification of these latter extreme events also affects regions subject to more pronounced drought conditions, highlighting an amplification of the range of variability of the hydrological cycle. Some studies have also shown there is an intensification of tropical cyclones which are more intense and destructive.

There is therefore a strong interest in developing studies to explore the climate related causes of such hydrological cycle changes and methods to forecast hydrological extremes events at the different temporal and spatial scales involved: hourly or daily for river or tropical cyclone floods, monthly or seasonal for droughts, decades for climate projections aimed to assess the frequency, magnitude [...]

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/water/special_issues/hydrological_extreme_events

water

IMPACT FACTOR 3.0

CITESCORE 5.8

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