

## Special Issue

# Impacts of Recent Drought Conditions and Resource Management Strategies on Groundwater

### Message from the Guest Editors

This [Special Issue](#) addresses how the recent droughts registered in many parts of the world have affected groundwater systems, and how the resulting short- and long-term water shortages have resonated in other sectors. Understanding how meteorological droughts affect groundwater, and the resulting direct and indirect effects on groundwater levels and baseflow discharge and to develop drought resilience plans and adaptation measures. A broad spectrum of sectors related to groundwater (e.g., agriculture, drinking-water supply, and ecologic resources) can be damaged by drought, and this issue aims to address how they respond, highlighting the resilience of some sectors and the vulnerability of others. Lastly, this issue aims to explore innovative solutions to decreasing the magnitude of drought through groundwater management. The topics covered by this Special Issue:

- The effects of drought on aquifer systems;
- Groundwater/surface water interactions;
- Innovative practices for drought resilience;
- Environmental consequences of drought;
- Multi-data monitoring and management practices in response to drought.

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### Guest Editors

Prof. Dr. Luca Alberti

Prof. Dr. Peter Bayer

Dr. Matteo Antelmi

Dr. Pietro Mazzon

Dr. Daniel T. Feinstein

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### Deadline for manuscript submissions

closed (30 November 2023)



## Water

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### 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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### Editor-in-Chief

Dr. Jean-Luc PROBST

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