

## Special Issue

# Advances in Ecohydrology for Water Resources Optimization in Arid and Semi-arid Areas

### Message from the Guest Editors

Conserving water resources is current challenge that will become increasingly urgent in future years due to climate change. The arid and semi-arid areas of the globe are expected to be particularly affected by changing water availability. Consequently, advances in ecohydrology sciences (i.e., the interplay between ecological and hydrological processes) are necessary to enhance the understanding of the critical zone hydrology, to optimize water resources usage in arid and semi-arid areas, and mitigate climate change. This Special Issue aims to investigate the relationships between hydrological and ecological processes and how these interactions can contribute to the optimization of the water resources in arid and semi-arid areas. Similarly, evaluating water management options and testing new experimental procedures in these areas are essential to produce robust water savings. Hydrology and water resources should be prevalent aspects of submitted investigations. Theoretical, methodological, and case studies, as well as review papers, are welcome.

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### Guest Editors

Dr. Mirko Castellini

Dr. Simone Di Prima

Dr. Ryan Stewart

Dr. Marcella Biddoccu

Dr. Mehdi Rahmati

Dr. Vincenzo Alagna

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### Deadline for manuscript submissions

closed (15 January 2022)



## 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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