

Special Issue

Sustainable Water Resources Management in a Changing Environment

Message from the Guest Editors

In the context of addressing sustainability findings and establishing adaptive strategies to preserve the value of natural resources like water, vegetation and soils, it is of strategic relevance to identify spatial patterns and temporal trends in climate and biodiversity variables.

The increasing trends in climate variability at all latitudes, coupled with anthropogenic stresses, are inducing water cycle changes, the degradation of underlying land, and changes in ecological evolution. The main topics of concern in this field are the evaluation of groundwater reservoirs, the role of dams in river flux diversion, water loss in water basins, drainage and evapotranspiration patterns, the cause–effect relationship between vegetation and water in ecosystem service provision, and societal adaptation and vulnerability assessment during droughts under climate change scenarios. Thanks to the abundance of geospatial modelling and monitoring data, coupled with the growing availability of satellite data and thematic products, the complexity of water-dominated systems can be captured through synoptic approaches and innovative data processing analytics.

Guest Editors

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Deadline for manuscript submissions

30 June 2026



Water

an Open Access Journal
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Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/238978

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST

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