

## Special Issue

# Novel Approaches for Water Resources Assessment

### Message from the Guest Editors

An increasing number of global challenges, including climate change, quality of life, and industrial development, require the sustainable use of water resources. The assessment of water resources requires accurate and innovative methods to guarantee the quantity and quality of water for population, agriculture, industrial activities, and other purposes. This Special Issue invites manuscripts that explore novel methodologies and technologies in the assessment of water resources. Topics of interest include, but are not limited to, machine learning applications, statistical modeling, integrated water resource management models, innovative hydrological approaches, and multi-disciplinary approaches. The contributions to this Special Issue aim to develop solutions to the problems of water resource assessment to ensure sustainable management, address the challenges related to water scarcity, pollution, and climate change, and consider the legislative measures implemented, such as ecological flow and more.

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### Guest Editors

Dr. Ilinca Cornel

Dr. Negisa Darajeh

Dr. Shahabaldin Rezania

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### Deadline for manuscript submissions

20 March 2026



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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