

## Special Issue

# New Tools and Methods for Groundwater Vulnerability Assessment

### Message from the Guest Editors

This Special Issue seeks to highlight recent scientific advancements in this field. We invite contributions that address all aspects of groundwater contamination, aquifer characterization, validation methodologies, the impact of climate change on groundwater vulnerability, and novel approaches for assessing groundwater vulnerability to pollution and droughts. The specific topics include, but are not limited to, the following:

- Groundwater vulnerability to pollution;
- Groundwater vulnerability to droughts and floods;
- Groundwater vulnerability in coastal aquifers;
- Aquifer characterization for intrinsic vulnerability assessment;
- Validation methods of groundwater vulnerability (e.g., natural background levels, denitrification, and others);
- Risk mitigation strategies;
- Impact of climate change on groundwater vulnerability;
- Pollution prevention measures;
- Remediation technologies;
- Assessment techniques for groundwater vulnerability, including artificial intelligence, GIS-based models, index-based methods, and statistical methods. [...]

For further reading:

[https://www.mdpi.com/journal/water/special\\_issues/5H081LDK59](https://www.mdpi.com/journal/water/special_issues/5H081LDK59)

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### Guest Editors

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### Deadline for manuscript submissions

30 October 2026



## Water

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CiteScore 6.0



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## About the Journal

### 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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