# Special Issue

# Stable Isotopes as Groundwater Discharge Tracers: Recent Developments

## Message from the Guest Editors

Stable isotopes are powerful tools for characterizing both the behavior and processes in groundwater systems. They are also useful for quantifying water and solute exchanges between surface and groundwater compartments, driven by various hydrological processes, from precipitation to groundwater discharge. The information obtained helps understand the dynamics of aquifers, including their recharge, flow patterns, age and vulnerability to contamination. This knowledge is essential for effective groundwater management and sustainable use of water resources. In this Special Issue of *Water*, we encourage submissions describing the application of stable isotopes to explore the role of different hydrological and hydrogeochemical processes driving aquifer behavior in terms of the isotopic content in groundwater.

## Guest Editors

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## Deadline for manuscript submissions

closed (20 May 2025)

**Water**

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/193614

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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

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