# Special Issue

# Hydrochemistry and Isotopes in Groundwater Investigations

## Message from the Guest Editors

New challenges and research needs have emerged in hydrogeology, driven largely by the focus on identification and prediction of the impact of human activities and climate change on groundwater systems. Key scientific issues in such research include processes and fluxes at hydrologic interface, characterization of hydrogeological parameters, groundwater flow regimes, and water–rock interactions. Hydrochemistry and environmental isotopes have excellent strength in delineating the flow/transport of water, solutes and pollutants, revealing the kinetics of water–rock interactions and degradation of pollutants, inversion of heterogeneity for aquifer media, hydrologic and geochemical model calibration, and quantifying geochemical and water flow fluxes at key interfaces, such as unsaturated/saturated zone, hyporheic zone, water–rock–gas interfaces, etc. The purpose of this Special Issue is to publish original research as well as review articles, addressing recent advances in the above-mentioned areas. We therefore invite you to submit your latest research findings and engineering practice in this field. Case studies are also welcome.

## Guest Editors

Prof. Dr. Zhonghe Pang

Dr. Fengtian Yang

Prof. Dr. Pingheng Yang

## Deadline for manuscript submissions

closed (31 August 2023)

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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.

## Editor-in-Chief

Dr. Jean-Luc PROBST
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