

## Special Issue

# Advanced Studies in Hydrogeology: Making the Invisible Visible

### Message from the Guest Editors

The Special Issue highlights innovative approaches combining remote sensing and GIS tools to map water resources and optimize their sustainable use. Thanks to advances in numerical hydrogeology and predictive modelling, this Special Issue provides concrete solutions to the challenges linked to the availability and vulnerability of groundwater resources, and also for more efficient and resilient management in the face of climate challenges. This Special Issue is aimed at researchers, engineers and decision-makers wishing to integrate modern hydrological technologies to anticipate and mitigate the effects of climate change on water resources.

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### Guest Editors

Prof. Dr. Ali Essahlaoui

Prof. Dr. Anton Van Rompaey

Dr. Amina Kassou

Dr. Meriame Mohajane

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### Deadline for manuscript submissions

30 November 2025



## Geosciences

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## About the Journal

### Message from the Editor-in-Chief

Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherent set of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientifically based political decisions.

We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

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### Editor-in-Chief

Prof. Dr. John C. Eichelberger

Alaska Center for Energy and Power, University of Alaska Fairbanks,  
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