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## Advance in Groundwater in Arid Areas

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (30 December 2025)**

### Message from the Guest Editor

This special issue aims to gather the wisdom of global researchers through interdisciplinary research methods to analyze the current challenges faced by groundwater resources in arid and semi-arid regions, explore new opportunities adapting to climate change, and propose strategies for the sustainable use of groundwater resources. We hope this special issue can provide scientific basis and technical support for policymakers, water resource managers, and research workers, collectively promoting the ecological balance and socio-economic development of arid and semi-arid areas.

Potential topics include, but are not limited to, the following:

- Groundwater sustainability
- Groundwater-surface water interaction
- Ecological groundwater requirements
- Climate change impacts
- Groundwater numerical modeling
- Policies and regulations
- Socio-economic adaptability



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**Special** issue



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## 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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