



water

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Aquifer Storage and Recovery: Theory, Design, and Operation

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Message from the Guest Editors

Dear Colleagues,

Use of surface water or seawater desalination for primary water supply has limitations based on climatic variability and facility failure. In areas where the construction and operation of large surface-water reservoirs is not practical, storage of excess water when available can be within the groundwater system. Aquifer storage and recovery (ASR) is becoming a more commonly-used technology to meet seasonal, short-term drought conditions, or emergency water supply needs. This Special Issue focuses on the design, modeling, economics, operation, and management of ASR systems. We also encourage the submission of manuscripts on hybrid ASR systems or aquifer restoration systems using similar technologies.

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Guest Editors



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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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