Special Issue

Advances in Geothermal Water and Energy

Message from the Guest Editor

The present Special Issue gravitates towards elucidating the influence of inherent shallow aquifer characteristics on the efficiency of installing underground thermal energy storage (UTES) systems. The most popular technologies of UTES currently available in the market include, but are not limited to, low- and high-temperature aquifer thermal energy storage (ATES), borehole thermal energy storage (BTES), pit thermal energy storage (PTES), tank thermal energy storage (TTES), and cavern thermal energy storage (CTES). Original research/review papers referring to theoretical, experimental, or numerical studies relevant to UTES are welcome to be submitted to the present Special Issue. Keywords

- clean energy
- hydrogeology
- seasonal heating and cooling supply
- underground thermal energy storage (UTES)
- aquifer thermal energy storage (ATES)
- borehole thermal energy storage (BTES)
- pit thermal energy storage (PTES)
- tank thermal energy storage (TTES)
- cavern thermal energy storage (CTES)

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Deadline for manuscript submissions

closed (19 September 2024)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/185879

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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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