Special Issue

Seawater Intrusion into Coastal Aquifers

Message from the Guest Editor

Coastal aquifers are one of the most important water resources in the world. In addition, the natural discharge of freshwater to the sea as submarine groundwater discharge (SGD) has an important role in the ecology of marine environments. In many coastal aquifers, seawater intrusion has become the major constraint imposed on groundwater utilization. Groundwater exploitation and climate variations create dynamic conditions, which can significantly increase the intrusion of seawater into the aquifer and may result in the salinization of wells. They may also reduce SGD and affect the water budget of marine systems.

This Special Issue welcomes original research work dedicated to seawater intrusion and related subjects. Potential topics include but are not limited to the following:

- Monitoring groundwater salinization
- Numerical modeling of density-driven solute transport
- Laboratory fresh–saline water interface experiments
- Effects of pumping fresh and saline water onto the fresh–saline water interface and SGD

Guest Editor

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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