Special Issue

Hydrogeochemistry in Coastal Aquifers

Message from the Guest Editor

Coastal zones concentrate human activities, and, thus, water production and water needs are increasing in these areas. Coastal aquifer systems are of particular interest for their large water resource capacities. Nevertheless, the hydrogeochemistry of coastal aquifers is very complex, in part due to local heterogeneity, and flow localization, but also because coastal aquifers are at the interface between two opposite systems characterized by fresh water on one hand and seawater on the other. Coastal aquifers are thus affected by both submarine groundwater discharge, which has a key role in the marine environment, and seawater intrusion, which damages the water quality.

In this Special Issue, original research papers as well as reviews dedicated to the hydrogeochemistry of coastal aquifers are welcomed. Potential topics include, but are not limited to, the following:

- Field-scale monitoring;
- Numerical modeling of the hydrogeochemical processes in coastal aquifers;
- Laboratory experiments reproducing the mixing zone;
- Pumping test experiments in coastal aquifers.

Guest Editor

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Deadline for manuscript submissions

closed (10 November 2021)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/64201

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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

Dr. Jean-Luc PROBST
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