



Hydrogeochemistry in Coastal Aquifers

Guest Editor:

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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.





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Message from the Editor-in-Chief

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