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Coastal Aquifers Management: Hydrological, Environmental, Economic and Social Challenges in the Context of Global Change

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submissions:

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Message from the Guest Editors

Dear Colleagues,

Groundwater is limited and its sustainable use is peremptory to preserve dependent ecosystems and human supplies. This resource is especially crucial in densely populated coastal areas with limited surface water sources. The excessive groundwater use to supply the increasing urban, tourism, industrial, and agriculture demands is adding stress to many coastal aquifers, and the number of cases with alarming signs of groundwater quantity and quality degradation are increasing.

In the current context of global climate change, complex interactions between global driving forces (rising sea levels, increasing storm frequency, evapotranspiration rates, and atmospheric salinity inputs) and human activities (inducing saltwater intrusion, mobilization of brines, chemical pollution, and loss of environmental values) threaten coastal aquifers. The consequence is groundwater salinity exceeding the standards of quality required for human health, crop production, industrial activity, and ecosystem survival. [...]

For further reading, please follow the link to the Special Issue Website at:

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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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