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Groundwater Flow Modeling in Coastal Aquifers

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Deadline for manuscript submissions:
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Message from the Guest Editors

The issues of population growth and rising global sea levels will make the management of coastal zone freshwater resources a major challenge over the next century. This Special Issue will focus on groundwater modeling for the evaluation of various water management problems within coastal zones, including but not limited to:

- Saltwater intrusion related to freshwater/brackish water pumping for water supply;
- The response of the saltwater–freshwater interface to rising sea levels;
- Induced upconing of saline water in coastal zones by pumping;
- Submarine groundwater discharge; assessment of economic changes to water supply when rising sea levels impact coastal aquifers; modeling of coastal zone salinity barriers in order to control saltwater intrusion;
- Modeling of aquifer storage and recovery systems in coastal zones in order to enable the storage of stormwater or treated wastewater to improve the sustainability of water supplies;
- Modeling of new managed aquifer recharge schemes in coastal zones.

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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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