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Surface-Groundwater Interactions: Modeling and Uncertainty Analysis

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Message from the Guest Editors

The critical issues of water resource availability and ecological sustainability have highlighted the need for conjunctive management of water as a single resource. The interaction between surface and groundwater can greatly impact water quantity and quality, in both systems, with serious implications on ecosystems health, especially during low flow conditions.

This Special Issue focuses on a range of topics, including conjunctive water management, integrated surface-groundwater modelling, low flow hydrology, tracer and isotope applications, riparian and hyporheic zone processes, groundwater dependent ecosystems, floodplain inundation and ecological response, and interactions in wetlands.



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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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