Special Issue

Interactions between Land Cover Changes and Runoff and Subsurface Flow Generation in Agro-Urban Systems in the Context of Global Warming

Message from the Guest Editors

Human activities are modifying the natural land cover, with impacts on the main hydrological processes. Land cover features affect the water balance, playing a crucial role in the precipitation partitioning into infiltration, runoff, and evapotranspiration. An effective water resource management needs to consider the effects of human-induced land cover changes, combining them with the impacts related to rainfall observed or estimated trends, temperature, and other meteorological indices in the context of climate warming. The main aim of the Special Issue is to collect novel study linked to human–water interactions issues under different climatic conditions, with a focus on potential connections between changes in runoff and subsurface flow generation and the combination of land cover and climate changes. the focus is on: - Land cover change effecton runoff and subsurface flow generation and interactions between land cover and climate changes; - Model development for the prediction of runoff and subsurface generation scenarios; - Remotely sensed data usage to assess the impacts of land cover changes; - Mitigation proposal, adaptation strategies.

Guest Editors

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Deadline for manuscript submissions

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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

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