

## Special Issue

# Rainfall Infiltration Modeling

### Message from the Guest Editors

Rainfall infiltration is an important part of the physics of the hydrologic cycle and plays a crucial role in the formation of surface runoff, providing subsurface water that governs the water supply for agriculture, the transport of pollutants through the vadose zone and the recharge of aquifers. The spatio-temporal evolution of the infiltration rate under natural conditions cannot be currently deduced by direct measurement at any scale of interest in applied hydrology, therefore the use of infiltration modeling that allows it to be described through measurable quantities is of fundamental importance. In spite of the continuous development of infiltration modeling, the estimation of infiltration at different spatial scales, i.e. from the local to the watershed scale, is a complex problem because of the natural spatial variability of both soil hydraulic characteristics and rainfall.

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### Guest Editors

Prof. Dr. Renato Morbidelli  
Dr. Carla Saltalippi  
Dr. Alessia Flammini

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### Deadline for manuscript submissions

closed (28 February 2020)



## Water

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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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### Editor-in-Chief

Dr. Jean-Luc PROBST

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