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Advances in Rainfall Interception Process

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Deadline for manuscript submissions:
closed (28 June 2024)

Message from the Guest Editors

The rainfall interception process is an important part of the hydrological cycle, altering the water flow, redistributing its volume, and affecting its dynamics. This process has been often overlooked in the past. Today more researchers are recognizing the importance of understanding and including the rainfall interception process into their research.

Researchers are trying to model amount of intercepted rainfall for forest catchments, urban areas, irrigation plans, or water protection measures, by including measurements, remote sensing data, or new rainfall interception modules added to the existing models. Vegetation is also increasingly recognised as a nature-based solution due to intercepting rainfall, offering new possibilities for the mitigation of urbanization and climate change influences and ensuring a better living environment.

As part of this Special Issue, we are looking for contributions on the broad topic of rainfall interception which would contribute to our knowledge about understanding the process and its components, as well as recognizing numerous influences that this process has as part of the (eco)hydrological cycle.

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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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