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## Water Cycle on Forest Ecology

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### Message from the Guest Editor

Forests are an integral part of the hydrological cycle, which makes it crucial for us to understand how water in forest areas functions in order to mitigate the adverse effects of climate change and, in particular, growing incidents of drought.

Precipitation is the primary water source in forest ecosystems. Hence, it is critically important to understand the redistribution of rainfall by tree canopies and the forest floor in climate change projections for forest areas, where warmer and drier conditions are predicted to lead to more severe and recurrent droughts.

Contributions to this Special Issue can come in the form of either empirical research or conceptual works, examining any key processes including, though not limited to, the influence of tree species composition on interception losses, stemflow and throughfall; the role of the forest floor in water retention and infiltration into the soil profile; the influence of drought on the rainfall redistribution by tree canopies and the forest floor; and new methods for exploring the forest–water relationship.



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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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