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Effects of Vegetation on Rainfall

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Message from the Guest Editors

Vegetation and water cycle are intrinsically coupled. Vegetation modifies land–surface properties, mediating the exchange of energy, moisture, trace gases, and aerosols between land and atmosphere. Current larges number of studies focus on the effect of precipitation on vegetation, but ignore the effect of vegetation on precipitation. Therefore, this Special Issue is aimed at representing the latest advances on this scientific question. Welcome contributions in all fields relevant to vegetation–atmosphere interaction, ecohydrological modeling, hydrometeorological analysis, effects of land use on climate, remote sensing, as well as interdisciplinary studies. Specific topics of interest include but are not limited to the following:

- Vegetation–atmosphere interaction
- Water vapor transport and vegetation
- Hydrological modeling of the effects of land use/land cover change
- Effects of forest on precipitation and water cycle
- Application of regional climate model
- Remote sensing monitoring of large-scale vegetation and precipitation
- Impacts of vegetation change on extreme climate
- Drought and vegetation degradation or restoration

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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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