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Rainfall Erosivity in Soil Erosion Processes

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Deadline for manuscript submissions:
closed (31 December 2019)

Message from the Guest Editors

The challenges that soils are facing today imply that aspects related to the intensifying precipitation cycle, such as rainfall erosivity. Data and modelling approaches are still scarce on how changes in the spatial and temporal features of rainfall patterns influence the magnitude and timing of erosive storms, which in turn results in changes in the landscape response.

The Issue calls for papers that explore (i) how erosive rainfall and soil erosion respond to climatic variability and human activity, and (ii) how such changes explain the changes in carbon and nutrient pools in terrestrial and water systems. We welcome contributions providing evidence that changing precipitation regimes are altering the risk and magnitude of landscape changes. Contributors are encouraged to show how current process studies can extend the historical erosion records, while unravelling the complex interactions between internal landscape dynamics, human impacts, and changes in precipitation regimes. Contributions should also aim consider issues of land-use management in addressing the changes and geomorphic process regimes that extreme precipitation can trigger.

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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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Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (*Water Science and Technology*)

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