Special Issue

Impacts of Surface and Subsurface Flow on Soil Erosion and the Implications for Watershed Management

Message from the Guest Editors

Soil erosion by water includes detachment, transport, and deposition processes, and these simultaneous processes can be influenced by many environmental factors such as topography, soil properties, land surface cover, and management practices. Surface flow often converges and creates linear erosion features such as rills and gullies, accelerating soil loss rates and causing severe land degradation. Subsurface flow is often overlooked but has also been identified as an important contributor to soil erosion at many sites worldwide. Both surface and subsurface erosion processes, as well as their interactions, pose great challenges to sustainable watershed managements, which requires advanced understandings on erosion mechanisms and the development of optimal management practices. This Special Issue aims to display the latest research progress on soil erosion processes induced by surface and subsurface flow, and their implications for sustainable watershed management. Original research articles describing the abovementioned topics and other relevant topics are welcomed.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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