Special Issue

Soil Erosion and Sedimentation by Water

Message from the Guest Editors

Soil erosion and sedimentation by water are often the main threats concerning land degradation. The former causes thinning of arable soil layer and loss of organic matter and nutrients, and the latter causes pollution and reduction in reservoir storage volume and channels' aggradations that increase flood risk. As ongoing climate change promotes erosion processes, soil conservation measures are becoming more and more necessary. Monitoring and modeling soil loss and sediment yield is fundamental for identifying effective and sustainable soil conservation measures. The Special Issue collects papers focusing on different aspects of the erosive phenomenon that range from the erosive agents (rainfall, runoff) to erosion control. Specifically, contributions are expected to focus on, but are not limited to, advanced methods for measuring rainfall energy characteristics, sheet, channelized (rill and gully) erosion, bed and suspended sediment load, modeling of runoff, soil loss, and sediment yield. Moreover, papers dealing with water erosion risk mapping and soil conservation measures, including nature-based solutions, are welcome.

Guest Editors

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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.

Editor-in-Chief

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