

Special Issue

New Challenges in Rainfall Erosion

Message from the Guest Editors

Rainfall erosion is one of the most damaging factors in agricultural lands, as well as one of the most important concerns in fire areas. The erosive potential of rainfall can lead to loss of fertility of soils that are limited resources due to loss of surface area but also causes erosion damage to other vulnerable surfaces, such as weathered stone heritage, or forest roads and tracks or concrete structures. In addition, the movement of aggregates can lead to increased soil compaction and other phenomena such as flooding, decreased infiltration into the ground, and significant topographic changes. New tools such as more realistic rainfall simulators, the use of drones, satellite or lidar analysis, and new methodologies such as the measurement of the distance between certain parts of the vine and the soil can help us understand how we have evolved and what remains to be developed in order to contribute to the protection of vulnerable surfaces against water. In this Special Issue, we look forward to contributions with innovative methodologies that shed light on how to fight against water erosion.

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

Dr. Jean-Luc PROBST

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