Special Issue

Impact of Climate Change on Water and Soil Erosion

Message from the Guest Editors

Climate change, triggered by increasing global temperatures due to excessive greenhouse gas emissions, is having a profound impact on ecosystems and human society. One of the primary concerns is the effect of these changes on water and soil erosion, which are pivotal elements in maintaining ecological balance and ensuring agricultural productivity. To address these issues, in-depth research on the impact of climate change on water and soil erosion is of great guiding significance for developing and implementing adaptive prevention and control strategies. The scope of this Special Issue includes, but is not limited to, the following:

- Quantitative and qualitative assessments of climate change impacts on soil erosion;
- Innovations in modeling and predicting water erosion under changing climate;
- Case studies on the effects of extreme weather events on erosion rates;
- Role of vegetation and land use in mitigating erosion in the context of climate change;
- Socio-economic impacts of increased erosion and strategies for adaptive management;
- Policy and governance issues related to erosion control and adaptation to climate change.

Guest Editors

Dr. Yinghui Guan

School of Soil and Water Conservation, Beijing Forestry University, Beijing 100083, China

Dr. Xinliang Wu

School of Soil and Water Conservation, Beijing Forestry University, Beijing 100083, China

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Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

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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
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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