

Special Issue

Monitoring and Control of Soil and Water Erosion

Message from the Guest Editors

Soil and water erosion monitoring and control have witnessed significant advancements over time. The continuous efforts in understanding and mitigating the impacts of erosion on the environment and agricultural lands have led to the development of sophisticated monitoring and control strategies. The evolved monitoring techniques entail the integration of remote sensing technologies, geographical information systems (GIS), and advanced modeling tools. These advancements allow for the real-time assessment of erosion-prone areas, helping in the identification of vulnerable regions. In terms of control measures, the traditional practices have been complemented with innovative strategies. Conservation tillage, contour plowing, and cover cropping remain the fundamental methods, but modern interventions include the use of erosion-control blankets, bioengineering solutions, and sustainable land management practices. These contemporary approaches aim not only to prevent erosion but also to enhance soil fertility and biodiversity. Additionally, the integration of data-driven decision-making processes has become crucial.

Guest Editors

Dr. Yujie Wei

College of Resources & Environment, Huazhong Agricultural University, Wuhan, China

Dr. Zhengchao Tian

College of Resources & Environment, Huazhong Agricultural University, Wuhan, China

Deadline for manuscript submissions

closed (20 July 2025)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/195941

Water

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

[mdpi.com/journal/
water](https://mdpi.com/journal/water)





Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



[mdpi.com/journal/
water](https://mdpi.com/journal/water)



About the Journal

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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)