Special Issue

Advances in Soil Water Dynamics Research

Message from the Guest Editors

Soil and water dynamics address fluid movement in porous media and can lay a cognitive foundation for the efficient use of agricultural water resources. However, the current understanding of the mechanism behind these dynamics is not uniformand there are shortcomings in the scope of application, and the utilization of technology. With rapid developments in numerical simulation technology, numerical simulation software based on solving the soil water movement process has been fully integrated into the study of water transport at different spatio-temporal scales. In order to further understand the transport process in soil and water, this Special Issue will publish contributions focusing on the following:

- advanced methods for soil water migration and evaporation;
- influence of factors such as climate change on soil water dynamics;
- the application of numerical models and new methods, such as remote sensing.

We believe that this Special Issue will further advance the scholarship in the field of soil water dynamics and enrich currently available findings in the field of unsaturated-zone hydrodynamics.

Guest Editors

Prof. Dr. Junfeng Chen

College of Water Resources and Engineering, Taiyuan University of Technology, Taiyuan 030024, China

Dr. Jing Xue

College of Water Resources and Engineering, Taiyuan University of Technology, Taiyuan 030024, China

Deadline for manuscript submissions

20 September 2025

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/215971

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

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

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)

MDPI