Special Issue

New Aseismic Technology and Methods in Hydraulic Structures and Geotechnical Engineering

Message from the Guest Editors

Global seismic activity is frequent, and statistics for the past decade show that the average annual number of strong earthquakes above 6.0 on the Richter scale is more than a few hundred, posing a serious threat to the safety of engineering structures. Under the action of strong earthquakes, hydraulic buildings may experience damage modes such as structural instability and loss of function and, at the same time, induce secondary disasters such as to foundations. This Special Issue, titled “New Aseismic Technology and Methods in Hydraulic Structures and Geotechnical Engineering”, aims to gather cutting-edge research results and promote the innovative development of anti-seismic technologies in this field. The topics of interest include but are not limited to seismic response analyses and seismic design of hydraulic structures, seismic disaster prevention and control technologies in geotechnical engineering, research and optimization of ground motion input methods, and developments in fine numerical simulation and experimental technology.

Guest Editors

Dr. Xiang Yu

Prof. Dr. Yuke Wang

Dr. Yongqian Qu

Deadline for manuscript submissions

20 June 2026

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/237479

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