Special Issue

Dam Safety. Protection against Overtopping and Prevention of Geo-Structural Failure

Message from the Guest Editors

This Special Issue is open to topics such as:

- Protection of dams and levees against overtopping.
- Hydrological issues related to dam overtopping, especially the assessment of dam overtopping probability.
- Operating strategies to avoid dam overtopping.
- Innovative solutions for increasing the discharge flow rate capacity in existing dams; emergency spillways.
- Dam failure conditions, processes, and failure hydrograph for both, embankment and concrete dams.
- Spillways on earth and rockfill dams.
- Detection of anomalies of geo-structural dam behavior through the analysis of monitoring data.
- Application of data mining and artificial intelligence techniques to the dam safety analysis.
- Criteria for the assessment of emergency thresholds.
- Application of RPAS and digital image treatment to dam surveillance.
- Combined application of numerical models and data mining to the analysis of dam safety...

For more details, please see:
https://www.mdpi.com/journal/water/special_issues/41535824RL

Guest Editors

Prof. Dr. Miguel Á. Toledo

Departamento de Ingeniería Civil: Hidráulica, Energía y Medio Ambiente, Universidad Politécnica de Madrid, 28040 Madrid, Spain

Prof. Dr. Rafael Morán

Departamento de Ingeniería Civil: Hidráulica, Energía y Medio Ambiente, Universidad Politécnica de Madrid, 28040 Madrid, Spain

Deadline for manuscript submissions

closed (30 June 2023)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/127917

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