

## 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.

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### Guest Editors

Dr. Xiang Yu  
Prof. Dr. Yuke Wang  
Dr. Yongqian Qu

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### Deadline for manuscript submissions

20 June 2026



## Water

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Impact Factor 3.0  
CiteScore 6.0



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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.

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### Editor-in-Chief

Dr. Jean-Luc PROBST

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