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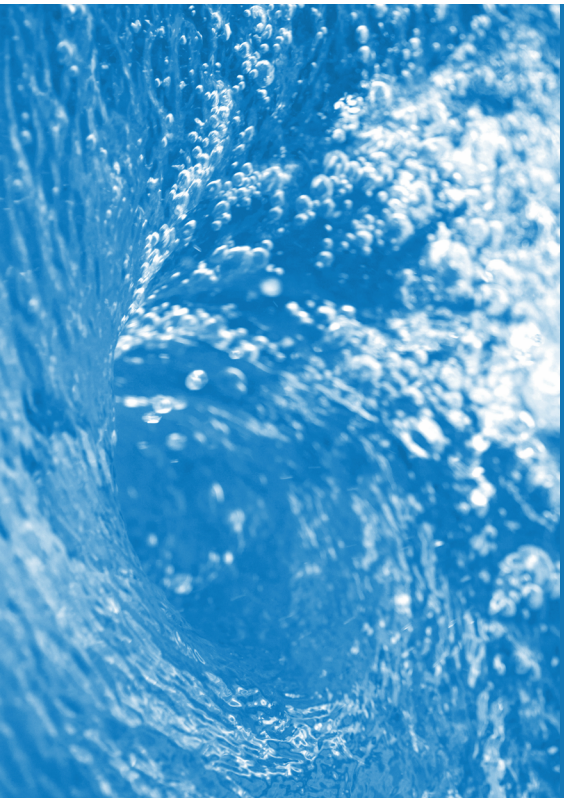
Hydropower



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Message from the Editor-in-Chief

Hydropower provides a global platform for cutting-edge research and interdisciplinary dialogue on the engineering, environmental, and socio-economic dimensions of hydroelectric power development, with emphasis on hydropower station and dam safety, reservoir sustainability, and resilient water infrastructure. It bridges engineering with environmental and socio-economic sciences to advance sustainable water resource utilization. We welcome innovative original articles, reviews, and timely short communications on emerging topics at the intersection of water cycles and large-scale hydraulic engineering. Our rigorous yet efficient peer-review process ensures swift dissemination of vital research contributions.

Editor-in-Chief
Prof. Dr. Yong Liu

Aims

Hydropower (ISSN 3042-8432) is an international, peer-reviewed, open-access journal dedicated to advancing research and innovation in hydropower technology. We aim to serve as a premier platform for interdisciplinary research by publishing high-quality original research articles, reviews, and technical communications that provide novel scientific or engineering contributions to all phases of hydropower development (from planning to refurbishment, upgrading, or decommissioning). Theoretical, numerical, and experimental research, AI-driven methodologies, and case studies are all welcome. There is no restriction on the maximum length of papers published in this journal.

Scope

- Bank slope stability
- Climate change impact, adaptation, and mitigation
- Design, maintenance, and optimization
- Digital twins
- Ecosystem conservation in hydropower development
- Emerging hydropower generation technologies
- Energy storage technologies
- Environmental impact, life cycle analysis, and sustainability
- Hybridization of hydropower with other technologies
- Safety monitoring
- Sediment, cavitation, and chemical erosion
- Risk assessment
- Water management

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First decisions in 19 days; acceptance to publication in 8 days (median values for MDPI journals in the second half of 2025)

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Editorial Office
hydropower@mdpi.com

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

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