



water



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Research Advances in Hydraulic Structure and Geotechnical Engineering

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Message from the Guest Editors

With the increasing global demand for energy, water energy resources have been widely promoted as a clean energy source. In order to meet the needs of water energy resource development, hydraulic engineering has rapidly developed and plays an important role in regulating water resources and flood control by controlling river water levels and flow rates to achieve these objectives. However, hydraulic engineering faces various challenges in terms of design, construction, and operation due to complex geographical conditions. Due to the extensive and crucial role of hydraulic engineering, the evaluation of its structural safety performance is particularly important. This Special Issue of the journal *Water* will focus on research related to the safety of hydraulic structures, aiming to advance the development and regulation of water resources. The Special Issue's topics include, but are not limited to, seismic response analysis of hydraulic structures, research on the seismic performance of hydraulic structures, studies on earthquake input methods, and refined analyses.



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Special Issue



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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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