Special Issue

Safety Monitoring and Management of Reservoir and Dams

Message from the Guest Editors

Hydraulic engineering plays a vital role in the survival and development of human society, of which the actual complex operation is far beyond the imagination of engineers and scientists. For the aging structure, complex environment, and abnormal situation, the above characteristics of hydraulic structures are more prominent. Therefore, it is difficult for engineers and scientists to fully understand the safety characteristics of hydraulic structures. By applying various safety monitoring facility, data processing methods, and evaluation methods, combined with geotechnical tests, non-destructive testing, numerical simulation, intelligence algorithm, and other techniques, we can further understand the structural state of hydraulic structures. It is of great significance to improve the safety of hydraulic engineering and the development level of human society. Therefore, this Special Issue focuses on safety monitoring and the management of reservoir and dams. We would like to invite you to submit your research paper to this Special Issue. For further reading, please follow the link to the Special Issue Website at: www.mdpi.com/journal/water/special_issues/reservoir_dams

Guest Editors

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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.

Editor-in-Chief

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