

Special Issue

Flood Risk Management and Civil Infrastructure

Message from the Guest Editors

This Special Issue aims to bring together researchers in the domain of flood risk management related to civil infrastructure. It will encompass the newly developed methods for flood risk assessment as well as the applications of existing approaches to quantify the flood-related risk within civil infrastructure facilities such as river reservoirs, water system facilities, flood embankments, roads, dams, etc. Papers can address hydrological and analysis methods needed for flood risk assessment, with a focus on the observed, predicted or projected changes in recorded extreme precipitation and flood events. Moreover, this Special Issue will contain research regarding the flood risk quantification of existing or planned civil infrastructure (e.g., flood embankments, roads, dams) via the application of hydrological and hydraulics models. Papers will be invited on the general topics of reservoir flood risk examination under severe hydrological events alongside possible failures of the reservoir system elements. Moreover, the Issue will promote dam safety aspects through the planning or design phases, with consideration of potentially hazardous events caused by extreme flow conditions.

Guest Editors

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Deadline for manuscript submissions

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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