



Flood Risk Management and Civil Infrastructure

Guest Editors:

Prof. Dr. Slavisa Trajkovic

Faculty of Civil Engineering and
Architecture, University of Niš,
18000 Niš, Serbia

Prof. Dr. Momcilo Markus

Prairie Research Institute, Illinois
State Water Survey (ISWS),
University of Illinois, Urbana, IL
61801, USA

Dr. Milan Stojković

Jaroslav Černi Water Institute,
11226 Belgrade, Serbia

Deadline for manuscript
submissions:

closed (11 February 2023)

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.





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Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and
Natural Resources, Ohio State
University, Columbus, OH 43210,
USA

Message from the Editor-in-Chief

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Sustainability Editorial Office
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