



The Sustainable Development of Hydraulic Engineering and Water Resources

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Deadline for manuscript
submissions:
closed (17 April 2024)

Message from the Guest Editors

Dear Colleagues,

The development of hydropower stations is the main method for utilizing water resources worldwide. As a mature and stable renewable energy technology, hydropower remains at the centre of the sustainable development goals. However, the development of hydropower has inevitably altered the natural environment of rivers and has driven changes in habitat conditions, thereby negatively impacting river ecosystems. To maintain the sustainable development of hydropower, recent research has made remarkable efforts in the field of adaptive management; it has created linkages between the flow regime and ecosystem processes, analyzed hydropower's cumulative effects on hydrological regime in the context of climate change and hydropower development, has considered the hydrodynamic process of flood discharge and energy dissipation, and has examined water-related disasters in mountain and urban areas.

The Special Issue focuses on the advancement of sustainable hydraulic engineering and water resource management, and welcomes the contribution of reviews, approaches, ideas, and technologies.





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Editor-in-Chief

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Message from the Editor-in-Chief

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