Special Issue

Hydraulic Engineering and Ecohydrology

Message from the Guest Editors

Hydraulic Engineering, especially reservoirs, plays a crucial role in watershed management through flood control, water supply, power generation, navigation, recreation, etc., and significantly contributes to social and economic development. However, hydraulic engineering inevitably affects the riverine, lacustrine, and wetland ecosystems in terms of water quality, aquatic community, and species diversity because of water corridor obstruction and interference with natural hydrological regimes. The environmental impact of hydraulic engineering on ecosystems is affected by the ecohydrological processes and mechanisms that maintain the structure and function of these ecosystems and will vary due to the project scale and operation strategy. Understanding the features, laws, and mechanisms behind the roles of hydraulic engineering in river, lake, and wetland ecosystems is critical to mitigating the adverse effects and improving adaptive management strategies for sustainable watershed development. [...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/MBU7FNKG13

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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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