Special Issue

Research on Hydraulic Characteristics of the Fishway

Message from the Guest Editor

Many drop structures are obstacles for multi-aquatic animals to migrate upstream and downstream. River degradation and local scouring below drop structure might also be caused by the flow passing over drop structures during flood stages. These problems might be caused by a lack of balance between flood control and preservation of the migration route in normal stages. Research on upstream and downstream migrations for aquatic animals through drop structures should be conducted by considering a balance between flood control and preservation of the migration route in normal stages. Most fish passages consist of a simple geometrical shape with concrete, and the migration route in the fish passage might be limited by a lack of various flows. In normal stages, the flow passing through the fish passage might not be oriented to swimming fish for upstream migration. Further, the function of the fish passage could be easily lost through the transportation of driftwood and rocks during flood stages[...] For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/Hydraulic_Fishway

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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.

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