Special Issue

Research on Hydraulics of Migration Route of Aquatic Animals

Message from the Guest Editor

For the preservation of aquatic habitats in rivers, the formation of various flows with complex riverbed configurations should be required. While a river with a simple trapezoidal cross-section can be constructed as a channelized river for flood control, it is difficult to maintain its corresponding habitat, including spawning, growing, refuge, etc. For multi-aquatic animals to migrate upstream and downstream, many hydraulic drop structures are obstacles. The fish passage might help the migration route around the drop structure. The migration route in the fish passage should be kept under a wide range of discharges. In normal stages, the flow passing through the fish passage should be oriented to multi-aquatic animals as a migration route. In this Special Issue, research on the hydraulics of the migration route of aquatic animals is requested. [...] For further reading, please follow the link to the Special Issue Website at:https://www.mdpi.com/journal/water/special_issues/Hydraulics_Migration_Aquatic

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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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