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Fish in Hydropower Affected Rivers

Guest Editors:

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Deadline for manuscript submissions:
closed (1 March 2020)

Message from the Guest Editors

Dear Colleagues,

Hydropower is a renewable energy source that has various advantages. Nevertheless, it can negatively affect individual fish and fish populations. While the awareness of these effects was limited in the past, society today cares much more about sustainable and eco-friendly hydropower production.

Mortality of fish in hydropower turbines is very much in the public focus. However, there are probably greater challenges related to changes in hydrologic and morphodynamic conditions and, therefore, changes in fish habitat suitability or the obstruction of free upstream and downstream migration due to hydropower.

The current Special Issue addresses all mitigation measures at hydropower plants and in their catchments, from technical solutions or new designs to tools for better understanding of their effects and devices for improved monitoring or prediction.

Contributions are invited that refer to fish in hydropower-affected rivers. Original research papers and critical reviews will be considered.

For further reading, please visit the Special Issue website.

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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.

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