

Special Issue

Ecological Connectivity of Rivers, Fishpasses and Bypass Channels

Message from the Guest Editors

In rivers and streams, quite often hydraulic structures such as dams, weirs, river sills and drop structures, as well as road crossings act as barriers to fish movement. In this way, the ecological connectivity of rivers is broken. One could say that the loss of natural river network connectivity is presumed to be one of the more generalized and important human-induced alterations in natural environments, and is frequently perceived as one of the main causes of the decline of freshwater fish species.

To address this, many technical solutions were introduced helping fish to migrate. The best known solutions to allow fish movement are fish passes and bypass channels. Therefore, this Special Issue focuses on both upstream and downstream fish migration research from different regions of the world and different hydraulic structures' layouts.

We invite contributions from the latest laboratory, field, and/or numerical research studies on the available or innovative new solutions of the structures which help fish to migrate, as well as tools to evaluate the effectiveness of the solutions. Original research papers and critical reviews will be considered.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2022)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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