

Special Issue

Assessment of Hydropower Sustainability in River Habitats and Aquatic Biota

Message from the Guest Editor

Hydropower projects and the associated infrastructures have been outlined as emerging environmental threats to riverine ecosystems, causing severe declines in vertebrate populations, with a particular impact on migratory fish and their natural habitats, as a result of river fragmentation, the blockage of migratory routes, drifting, stranding, and the modification of natural flow and thermal regimes. Therefore, guaranteeing environmental hydropower sustainability requires an in-depth assessment of all these issues, taking into account that global warming will further stimulate conflicts in water use in a way that disturbs riverine ecosystems. This Special Issue aims to compile novel information on fundamental research and applications regarding the hydropower sustainability of river habitats and aquatic biota. Authors may contribute submissions that range from field studies to mesocosms and laboratory experiments that have application to real-world challenges.

Guest Editor

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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

Dr. Jean-Luc PROBST

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