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# Addressing the Environmental Impacts of Hydropower

Guest Editors:

### **Message from the Guest Editors**

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#### Deadline for manuscript submissions: closed (30 September 2020)

#### Dear Colleagues,

As global demand for lower carbon sources of energy increases, many there have been renewed interests in hydropower development. However, hydropower dams and their operation have the potential to produce a variety of environmental impacts. Similarly, new water power technologies can present a variety of stressors to aquatic organisms.

For this special issue on the environmental effects of hydropower, we welcome papers that discuss:

- original research (laboratory and field) on any of these environmental impacts described above,
- quantitiative analyses of large-scale biological impacts,
- quantitative analysis of ecosystem-level impacts,
- innovative science- and technology-based solutions designed to reduce or account for impacts,
- innovative approaches to site selection or prioritization that seeks to reduce environmental impacts,
- design features that mitigate specific enviornmental stressors,
- regional and continental differences in impacts and solutions,
- case studies,
- other topics related to the environmental impacts of hydropower.

We are especially interested in papers that pressent possible solutions to address these environmental issues.









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## **Editor-in-Chief**

#### Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

### 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 scientific domains and 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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