

Special Issue

The Future of Hydropower: Sustainable Practices, Innovative Technologies and New Scientific Insights

Message from the Guest Editor

It is my pleasure to invite you to submit a scientific paper to the special issue “The Future of Hydropower: Sustainable Goals, Planning, Practices, and Technologies”. The scope of this Special Issue is to contribute to the development and implementation of both sustainable solutions to make hydropower more environmental friendly, and new technologies and methodologies to make it more flexible, efficient and economically attractive. Interesting topics are the rehabilitation of old plants, the optimization of hydraulic structures to increase their efficiency and eco-sustainability, fish protection by implementing fish friendly solutions (like fish friendly turbines and fish passages), the optimization of hydropower schemes to reduce environmental impacts, sustainable practices and strategic planning (both at the large and local scale) in light of the Water Framework Directive, and impact/environmental assessments of hydropower plants. Practical implications for engineering applications and for policy decisions are highly encouraged, with a focus on the European Union context.

Guest Editor

Dr. Emanuele Quaranta
Joint Research Centre of European Commission, Ispra, Italy

Deadline for manuscript submissions

closed (31 October 2021)



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About the Journal

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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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