

## Special Issue

# Recent Advances in Hydraulic Turbines

### Message from the Guest Editors

Hydropower is a major source of renewable energy (RE). However, there is significant concern about the environmental impact of large hydro plants working with large volumes of water stored in artificial basins. Thus, at present, running water mini hydro plants are the best RE producer with the highest power density and lowest environmental impact. This Special Issue aims to provide an overview of the most recent advances in the field of hydraulic turbines and hydro plant design and management. Potential topics will include, but are not limited to:

- The design of new hydraulic turbines for running water plants;
- The design of new electric systems for electricity generation in running water hydro plants;
- Mechanic design of new hydraulic turbines;
- Cyber security in hydro plants;
- Mini hydro plants and smart grids;
- Cost/benefit analysis of mini hydro plants;
- Advances in the design of high-power hydraulic turbines.

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 April 2023)



## Water

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*Water*

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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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### Editor-in-Chief

Dr. Jean-Luc PROBST

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