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# **Advances and Challenges in Hydropower**

Guest Editors:

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Deadline for manuscript submissions: **closed (31 July 2021)** 

This special issue focuses on hydraulic structures such as dams, weirs, intakes, tunnel systems, power stations, spillways, and outlets from the waterways, which in turn represent one of the backbones for the generation of hydroelectricity. Contributions are invited which address the development of novel and innovative solutions for improving the reliability, efficiency, safetv. environmental friendliness of hydropower infrastructure and reservoirs. This includes contributions focusing on analytical considerations, scale model investigations, numerical simulations and field investigations. Special emphasis is placed on the further development of hybrid modelling strategies, i.e. the combined application of hydraulic scale models, numerical models and/or field investigations to make full use of the advantages and to minimize the uncertainties associated with the different modelling strategies.

Message from the Guest Editors







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## **Message from the Editor-in-Chief**

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