



Advances in Sustainable Generation of Hydroelectric Energy

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Message from the Guest Editors

Dear Colleagues,

Hydroelectric generation plays an important role in many power systems, mainly due to its capability to provide medium-term energy storage (hours or days). In this way, it can contribute to integrate non-manageable energy sources in power systems. In addition, hydroelectricity is, in itself, a renewable energy source. However, this does not mean that it is environmentally benign.

Climate change may continue being the bigger long-term concern; however, in the medium and short term, oil and gas shortage is the most pressing concern. Thus, any advance in any technology that can contribute to reduce world dependency on fossil fuels is extremely valuable. These advances can provide higher efficiency, lower costs, and use less materials or more robust devices. Furthermore, any submissions on the reduction in environmental or society impacts are also welcome.

As it is well known, advances have to be disseminated for being useful. Five years ago, this journal published an Special Issue on “Hydropower and Sustainability”. The purpose of this Issue is to reexamine this topic and its contributions to advance the sustainable generation of hydroelectric energy.





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Message from the Editor-in-Chief

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