Intelligent Modelling for Hydrology and Water Resources

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Message from the Guest Editors

With the rapid development of information technologies, machine learning methods and artificial intelligence technologies are providing new possibilities for solving various engineering problems. Against this background, many scientists and engineers are working to develop novel methods that can help create reasonable scheduling schemes and policies for hydrology and water resources problems in the changing environment. In this Special Issue, high-quality research papers concerning the following themes are invited, but not limited to:

- Watershed hydrological model;
- Hydrological process modeling;
- Flood warning and risk analysis;
- Hydrological forecasting and simulation;
- Extreme hydrological and climate events;
- Impact of climate changes on hydrological process;
- Smart water resources management and planning;
- Optimal reservoir(s) operation;
- Extreme hydro-meteorological events;
- Dynamical mechanisms associated with hydro-meteorological processes;
- New approaches/methods/models for hydrology and water resources;
- Relevant case studies and applications.

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Special Issue

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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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