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Application of Hydrological Models in Hydraulic Engineering

Guest Editor:

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Deadline for manuscript submissions:
closed (20 May 2024)

Message from the Guest Editor

Dear Colleagues,

You are encouraged to submit articles discussing the mathematical modeling and analysis of problems related to hydrological modeling in hydraulic engineering. Hydrological phenomena are of great importance to the impact of many factors related to the water environment. This refers to the threats associated with the problem of significant fluctuations in water levels and the associated water circulation, as well as the occurrence of extreme phenomena, including drought. Hydrological modeling can help us to recognize the factors that affect water circulation, resolve its shortages and allow for rational management of water resources. Potential topics include, but are not limited to, the following areas:

- Hydrological models of urbanized areas;
- Hydrological models of agricultural and forest areas;
- Hydrological models in coastal zones;
- Modeling of extreme phenomena in hydrology;

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Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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