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Advances and Challenges in Hydrological Modeling and Engineering

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Message from the Guest Editors

Hydrological modeling and engineering are playing an increasing role in tackling climate change and climate variability. Recent developments and advancements in methodology and techniques in hydrological modeling are making great contributions to resolving water-related sustainability issues in society as well as broadening our understanding of the principles governing the hydrosphere. However, there is a strong need to synthesize recent advancements in methodologies, techniques, and theoretical understanding of hydrological modeling at various scales and under different conditions. The aim of this Special Issue is to gather high-quality and novel findings addressing new and advanced aspects of hydrological modeling, such as combined use of hydrological modeling with neural networks, AI, as well as business intelligence (BI) for decision making; seamless and multi-model coupling of different modeling techniques and platforms for increased efficiency;

[...]

For further reading, please follow the link to the Special Issue Website at:

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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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