Special Issue

Advanced Research on Integrating Remote Sensing Data and Hydrologic Modeling

Message from the Guest Editors

This Special Issue aims to focus on remote sensing data, using hydrological models and deep learning as tools, and applying data-driven methods to the field of Earth sciences. It emphasizes the latest advancements in using deep learning to improve the quality of terrestrial water cycle observation data and reduce the uncertainties in physical models. The Special Issue covers, but is not limited to, topics such as the observation of eco-hydrological elements, model development, and watershed system integration.

Keywords

- satellite remote sensing
- hydrological models
- deep learning
- data-driven methods

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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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