Special Issue

Enhancing the Understanding of the Water Cycle and Climate Change Using Satellite Geodesy

Message from the Guest Editors

This Special Issue aims to use satellite geodesy to enhance researchers' understanding of climate change and the water cycle, while also paying attention to changes in the Earth's ecological environment under the imbalance of the water cycle. We encourage researchers to submit high-quality papers related to this topic, which not only provide an in-depth analysis of current issues but also offer new perspectives and methods for future research.

- Combination of GRACE and GNSS for the monitoring of terrestrial water storage changes;
- Development of drought and flood indices based on GRACE/GRACE-FO;
- Innovation and practice of water resource management strategies under climate change;
- Determination of the changes in river basin vegetation coverage under the influence of floods and droughts;
- Long-term prediction of runoff data based on machine learning;
- Interpretation of the river basin water cycle using multi-source remote sensing data;
- Analysis of the impact of human activities on climate change and the environment;
- Improvement in the accuracy of water resource quantification using global hydrological models.

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About the Journal

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.

Editor-in-Chief

Dr. Jean-Luc PROBST
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