Special Issue

Remote Sensing Water Cycle: Theory, Sensors, Data, and Applications

Message from the Guest Editors

Global water cycle dynamics involve energy and matter exchange among the atmosphere, hydrosphere, cryosphere, and biosphere. Remote sensing has the unique advantage of continuously acquiring complex water cycle information in time and space. The methods and sensors used to observe and predict the fluxes, storage, and movement of water across a range of space–time scales by integrating advanced remote sensing technology and numerical water models into a theory–data–application, end-to-end framework. Specifically, this Special Issue includes topics such as:

- New remote sensing-based monitoring theory and methods to observe hydrologic components;
- Remote sensing big data and data analytics for gaining a better and comprehensive understanding and mapping of water distribution and variability;
- Remote sensing data-enabled global and regional hydrological applications and water resources management.

Guest Editors

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Prof. Dr. Hongjie Xie

Dr. Wei Wan

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

Editor-in-Chief

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