Message from the Guest Editors

Dear Colleagues,

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:

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

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Guest Editors

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