



## Remote Sensing and Modeling of the Terrestrial Water Cycle

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Deadline for manuscript  
submissions:

**closed (30 June 2021)**

### Message from the Guest Editors

Dear Colleagues,

Hydrologic models and remote sensing are essential tools for studying the changing nature of the terrestrial water cycle and its various components. Advances in the areas of remote sensing and modeling have allowed the integration of these two approaches and the use of multiple sensors and variables simultaneously to better understand the spatial and temporal dynamics of the water cycle and the available water resources at various scales.

For this Special Issue, we invite multi-scale, multi-variable, and multi-sensor studies that advance remote sensing techniques and modeling approaches to assess the spatiotemporal variability in water resources and improve our understanding of the terrestrial water cycle. We welcome the submission of manuscripts related to the (1) use of available remote sensing satellite data as well as data from future missions to address hydrologic science questions and expand our knowledge in quantifying the spatial and temporal variations in terrestrial water cycle, (2) application of artificial intelligence approaches in hydrology and remote sensing, and (3) hydrologic data assimilation.

*Guest Editors*





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## Message from the Editor-in-Chief

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