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Remote Sensing and Modeling of the Terrestrial Water Cycle

Guest Editors:

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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.

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Editor-in-Chief

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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.

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