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Remote Sensing Applications in Hydrology and Human-Natural Systems Management

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Deadline for manuscript submissions:
closed (31 July 2021)

Message from the Guest Editors

The use of remotely sensed data in land-surface hydrology and watershed and ecosystem management is rapidly increasing. Multispectral and hyperspectral imageries at high spatial and temporal resolution are increasingly becoming available and cover global land areas. Advances in geospatial data processing, computational power, and cloud services enable rapid assessment of the terrestrial water cycle and the fate and transport of chemical constituents. The field is in an exciting period of expansion, as new satellite sensors and unmanned aerial vehicles now permit us to revolutionize the measurement of atmosphere, land, and water variables by adding new capabilities and greater detail.

For this Special Issue, we invite contributions on the innovative use of remote sensing data in hydrology and human–natural systems management applications. Topics of interest include, but are not limited to, the use of new and upcoming remote sensing datasets in flood forecasting, reservoir operation, water quality management, agricultural watershed management, the food–energy–water nexus, and the modeling of human–natural systems.

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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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