Special Issue

Measurement of Hydrologic Variables with Remote Sensing

Message from the Guest Editors

It has been regarded as an extremely challenging task to obtain a comprehensive understanding of hydrologic phenomena because of their large spatial extent and high spatiotemporal variability. Remote sensing techniques have significantly advanced the available solutions to this chronic issue of hydrologic research. For example, weather radars provide real-time observation of precipitation over spatial coverage encompassing several hundred kilometers at the resolution of several hundred meters and minutes, and satellite remote sensing techniques allow us to observe water and energy fluxes between the land surface and atmosphere at a global scale, such as land surface temperature, soil moisture, evapotranspiration, snow water equivalent, and vegetation/land cover. This Special Issue aims to publish original research articles concerning the observation of hydrologic variables using the state-of-the-art remote sensing techniques. The following specific topics will be especially welcomed:

- Remote sensing of hydrologic variables using satellites;
- Application of weather radars to observe precipitation;
- Noble approach of observing hydrologic variables using UAVs.

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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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