remote sensing

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Remotely Monitoring Water, Sediment, and Carbon Transported in Rivers and Estuaries

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Deadline for manuscript submissions:
closed (30 April 2024)

Message from the Guest Editors

Dear Colleagues,

Although remote sensing technology has been widely applied to monitor water environments in open oceans and lakes, its application in rivers that are relatively narrower is limited. In addition to satellite imagery, UAV aerial images could provide very high-resolution river observation information, and could be valuable for validating or assisting sediment inversion modeling. This Special Issue aims to publish studies about water, sediment, and carbon transport in rivers. Through this Special Issue, we hope more researchers will use remote sensing as an advanced/low-cost method to monitor riverine transport of water, sediment, and carbon in the future.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

Remote sensing of sediment concentration and transportation in rivers;
Remote sensing of river discharge;
Remote Sensing of river carbon flux;
Atmospheric correction of satellite data;
Remote Sensing of water environment;
Driving factors, reasons, and/or explanations;
Other areas related to the topic.

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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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