Special Issue

Remote Sensing of Lake Properties and Dynamics

Message from the Guest Editor

With the proliferation of new sensors (optical and thermal imaging, active and passive microwave, laser altimeters, and others) and new sensing platforms—from UAVs to multi-satellite constellations—the opportunities for novel applications of remote sensing in lake research have never been more promising. In this Special Issue, we will highlight research on the use of remote sensing systems for characterizing the properties of lakes and monitoring lake dynamics over space and time. Potential subjects of investigation include the dynamics of water storage in lakes (including surface area, water level, and volume); optical properties such as water clarity and the quantification of various color-producing agents; harmful algal blooms (HABs); water temperature; lake ice; lake bathymetry and geomorphology; shoreline processes and lake/land interactions; and the ecological dynamics of lakes. It is hoped that the papers in this Special Issue will contribute to the wider and more effective adoption of remote sensing methods by limnologists, lake managers, and others concerned with the state and fate of the world's lakes.

Guest Editor

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Message from the Editorial Board

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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