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Remote Sensing of Lake Ecology

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Deadline for manuscript submissions:
closed (2 February 2022)

Message from the Guest Editors

Dear Colleagues,

Lakes are one of the most endangered ecosystems on the planet with key threats originating from land-use change, climate change and invasive species. Variations in temperature and precipitation can profoundly affect the hydrological functioning of the lake and its catchment. Lakes are key sentinels for environmental change at both local and global levels.

The European Union's Copernicus Programme and the new generation of hyperspectral sensors provide new opportunities for monitoring aquatic environments. Earth observation tools have been identified as a key component of the future evolution of water management approaches such as the EU's Water Framework Directive in helping to standardise and contribute to confidence in assessment across Europe.

This special issue welcomes articles dedicated to remote sensing applications for assessing any aspects of lake ecology such as phytoplankton abundance and composition, algal blooms, macrophyte density and composition, phenology, zonal habitat diversity and aspects focusing on the integration with field data and information management strategies.

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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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