

## Special Issue

# Remote Sensing in Aquatic Vegetation Monitoring

### Message from the Guest Editors

Aquatic plants or macrophytes are primary producers that grow in water. Macrophytes provide habitat for fish and aquatic invertebrates, produce oxygen, and act as food for fish and wildlife. Macrophytes are sessile, react on changes in the environment and are therefore indicators for changing environmental conditions. The growth of macrophytes is influenced by global change effects. These phenomena affect population composition, growth dynamics and promote endemic or alien invasive species. Ship-, air- and spaceborne remote sensing (RS) approaches can support inventory and monitoring of macrophytes. At present mainly optical systems are in use to analyse spatial, spectral or temporal changes and deliver information on bathymetry. Sonar and Green Lidar techniques complement the spectral information based approaches of optical systems by bathymetric information and, to some extent, height information of macrophyte populations, expected to improve biomass estimation in contribution to methane emissions by lakes and rivers.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 October 2021)



## Remote Sensing

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*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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