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Remote Sensing for Shallow and Deep Waters Mapping and Monitoring

Guest Editors:

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Deadline for manuscript submissions:
closed (15 November 2022)

Message from the Guest Editors

Accurate bathymetric and seafloor mapping are a key element during coastal and offshore studies and engineering applications, sedimentary processes, hydrographic surveys and hydrological studies as well as archaeological mapping and biological research.

This Special Issue focuses on remote sensing, proximate and in-situ instrumentation, data processing and machine learning, bathymetric and seafloor mapping, water quality and pollutant detection applications in aquatic ecosystems, including the following topics:

- UAV and Airborne bathymetric mapping for shallow waters
- Advances in Airborne and UAV-borne Laser Hydrography (LiDAR)
- Satellite Derived Bathymetry mapping for shallow waters
- Remote Sensing for water quality
- Marine litter detection and tracking
- Underwater Mapping using SONAR, ROVs, AUVs and USVs
- Fusion of hybrid bathymetric data
- Machine and Deep Learning approaches for improved data processing techniques

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Editor-in-Chief

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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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