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# Remote Sensing for Shallow and Deep Waters Mapping and Monitoring

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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



**Special**sue







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## **Editor-in-Chief**

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# Message from the Editor-in-Chief

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