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Underwater Acoustic Remote Sensing for Ocean and Lake Monitoring

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Deadline for manuscript submissions:
closed (15 May 2023)

Message from the Guest Editors

Dear Colleagues,

Underwater acoustic remote sensing has been vital to monitoring and exploring our ocean and lake environments for decades. New operating environments in the Arctic and Antarctic are opening up due to climate-driven ice loss, which provides new regions for acoustic exploration and monitoring. This Special Issue focuses on state-of-the-art research in underwater acoustic remote sensing techniques including, but not limited to:

- Multimodal sensing and data fusion
- Advanced signal processing methods for underwater acoustic remote sensing
- Passive acoustic sensing
- Active SONAR development and applications
- Acoustic array development and processing methods for underwater monitoring
- Oil and gas exploration and sensing using acoustics
- Remote acoustic sensing on moving platforms such as autonomous surface and subsurface vehicles
- Arctic and Antarctic underwater acoustic observations
- Large lake acoustic remote sensing applications

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Message from the Editor-in-Chief

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