



## Underwater Target Detection and Recognition

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### Message from the Guest Editors

One important purpose of operating sonar systems is to either passively or actively detect signals from targets of interest. Recently, passive target detection has become more difficult owing to a lower level of underwater radiated noise from targets as well as growing ocean ambient noise. Alternatively, an active sonar system can be applied to detect bounce signals returning from the target with a higher signal-to-noise ratio (SNR) by exploiting the information of known transmitted signals at the cost of false alarms by clutters. Many studies have been conducted to advance target detection and recognition in the underwater acoustics community.

This Special Issue seeks the submission of studies on advanced underwater signal processing for target detection and recognition, which can overcome the aforementioned problems (or other problems) in passive or active sonar systems.

Deadline for manuscript  
submissions:

**closed (15 December 2024)**



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# Special Issue



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## Message from the Editor-in-Chief

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