



Underwater Acoustics and Ambient Noise

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Message from the Guest Editors

Ocean environments are changing rapidly due to climate change and human activities. In addition to conventional usage of ocean environments, such as navigation, fisheries, and military applications, more utilities including unmanned underwater vehicles, marine energy converters, and resort facilities will be extensively added in a few decades. Ambient noise is significantly affected by these environmental changes, which affect marine life due especially to their sound. Moreover, underwater acoustic techniques are extensively developed for more frequent and diverse usage for ocean exploration to adapt robotic techniques and wireless underwater communication skills. Therefore, we present this Special Issue of the journal *Applied Sciences*, “Underwater acoustics and ambient noise”, focusing on recent techniques using underwater acoustics to detect and monitor the ocean acoustic environment and its effects on marine lives such as marine mammals, snapping shrimp, and so on.





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Message from the Editor-in-Chief

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