

Special Issue

Underwater Acoustics and Ambient Noise

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.

Guest Editors

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Deadline for manuscript submissions

closed (20 August 2022)



Applied Sciences

an Open Access Journal
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Impact Factor 2.9
CiteScore 6.1



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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