

Special Issue

Underwater Noise and Its Impact on Aquatic Animals

Message from the Guest Editors

Sound has good propagation abilities in water, which makes it an excellent means of information acquisition and exchange. Many aquatic animals have therefore developed auditory capabilities and rely on sound to overcome the many challenges of living in water. However, the advantages of using sound (to communicate, locate prey, and navigate) have been jeopardized in recent times as the world's aquatic environments have become noisier. Over the last few decades, anthropogenic noise has been identified as an important stressor to aquatic animals. The increase in anthropogenic noise in the environment is a global phenomenon occurring in various types of habitats. Its impact on wildlife is therefore a growing research concern for many taxa, including invertebrates, fishes, reptiles, and marine mammals. This Special Issue aims to characterize the underwater noise pollution and assess its impact to vocalization, hearing, reproductive fitness, metabolism, and immune system of aquatic animals in freshwater and marine environments.

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