



Underwater Noise and Its Impact on Aquatic Animals

Guest Editors:

Dr. Zhitao Wang

School of Marine Science, Ningbo
University, Ningbo 315832, China

Dr. Tomonari Akamatsu

Ocean Policy Research Institute,
The Sasakawa Peace
Foundation, Minato-ku, Tokyo
105-8524, Japan

Prof. Dr. Ding Wang

Institute of Hydrobiology,
Chinese Academy of Sciences,
Wuhan 430072, China

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Message from the Guest Editors

Dear Colleagues,

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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Prof. Dr. Marc A. Rosen

Faculty of Engineering and
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Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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Sustainability Editorial Office
MDPI, Grosspeteranlage 5
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