

Special Issue

Underwater Acoustics for Sustainable Fishery and Aquatic Ecosystem Managements

Message from the Guest Editors

Underwater acoustics has a history of 100 years and is now widely used as a tool for visualizing underwater organisms. In particular, research on active acoustics using sonar and echo sounder is widely used internationally for the estimation of fishery resources biomass and the distribution on underwater organisms. Thus, it is indispensable in the field of fishery resources management and aquatic ecology research. In addition, research on passive acoustics, such as hydrophones, which are installed in water to collect biological sounds in under water, is currently undergoing remarkable development, and it is widely used as acoustic ecology research for understanding the distribution and behavior of underwater organisms. Acoustic telemetry, which combines an acoustic receiver and transmitter, is also being used as a tool for exploring the behavioral ecology of underwater organisms, and it is expected in future research. In this Special Issue, we are calling for a wide range of advanced applied research utilizing the abovementioned underwater acoustic tools, especially research that contributes to the sustainable management of fishery resources and aquatic ecosystems.

Guest Editors

Dr. Miyashita Kazushi

Field Science Center for Northern Biosphere, Hokkaido University,
Sapporo 096-0014, Japan

Dr. Kenji Minami

Estuary Research Center, Shimane University, Matsue, Shimane 690-8504, Japan

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jmse@mdpi.com

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The *Journal of Marine Science and Engineering* (JMSE, ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

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Prof. Dr. Charitha Pattiaratchi
School of Engineering, The UWA Oceans Institute, The University of
Western Australia, Perth, WA 6009, Australia

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