

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.

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Message from the Editor-in-Chief

Journal of Marine Science and Engineering (JMSE, ISSN: 2077-1312) focuses on research in the fields of Ocean Engineering, Coastal Engineering, Physical Oceanography, Geological Oceanography, Marine Biology, and Marine Environmental Science. It publishes reviews, regular research papers, and short communications, as well as Special Issues on particular subjects. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the maximum length of the papers.

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