Topical Collection

Fishery Acoustics

Message from the Collection Editor

The fishery acoustics discipline covers a wide range of research and practical application topics using acoustical devices as sensors in aquatic and ocean environments. Underwater acoustic techniques can be applied to sensing aquatic animals, zooplankton, fish and physical and biological habitat characteristics for biomass estimation and stock assessment. Fishery acoustics compose a well-defined scientific area physically and theoretically for information of underwater biomass, while information processing and intelligent signal processing engineering complements practical devices, systems for interdisciplinary underwater acoustics. Various tools are emerging from both the underwater acoustic science and fishery engineering fields, and we can fully utilize them. Subsequently, we are expecting a quantum leap in areas of interdisciplinary fishery acoustics, covering stock assessment, aquaculture monitoring system, underwater object monitoring, underwater fishery surveillance, and many more applications for fishery businesses.

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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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