Special Issue

New Technologies for Improving Fisheries and Aquaculture Production and Management

Message from the Guest Editor

The production of fisheries and aquaculture is rising as the global demand for marine products increases. We are now at the stage of considering the development of new technologies to make the production and management of fisheries and aquaculture more sophisticated and efficient. The application of AI, which replaces work based on human experience and intuition with computers, is underway, but this may only be a superficial improvement in efficiency in various industrial fields, and the realization of DX (Digital Transformation) requires an understanding and clarification of the mechanisms and principles of essential phenomena. This concept is also necessary for DX in the fishery and aquaculture industries. This Special Issue aims to collate research results and review articles on new technologies and theories that lead to technological innovations and applications of conventional technologies to promote DX, which is necessary to advance production and management in the fishery and aquaculture industries. This Special Issue welcomes approaches which promote DX, especially from the perspectives of engineering, mathematical science, and information science.

Guest Editor

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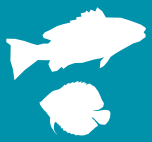

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About the Journal

Message from the Editor-in-Chief

Fishes is a multidisciplinary open access journal focusing on reports of original research and critical reviews and synthesis from the broad area of fishes and aquatic animals. The ultimate objective of *Fishes* is to facilitate the discovery of connections between research areas, advancing science and filling knowledge gaps, and providing solutions for all present and future issues encountered in the sector of fisheries and aquaculture. As Editor-in-Chief, I encourage you to consider *Fishes* for your scientific papers and would be pleased to welcome you as one of our authors.

Editor-in-Chief

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