Special Issue

Engineering Solutions for Sustainable Offshore Aquaculture and Fisheries

Message from the Guest Editors

Research and development efforts in offshore aquaculture and fishery engineering are driven by rising global demand for high-quality aquatic products and the limitations of inshore resources. However, harsh open-ocean conditions pose significant challenges to the safety, stability, and operational efficiency of offshore facilities and equipment. This Special Issue focuses on novel, cutting-edge engineering solutions to address these challenges. Topics of interest include the design, optimization, and hydrodynamic performance evaluation of critical systems such as offshore aquaculture structures, trawls, stow nets, and associated fishing gear components. Enabling technologies will also be highlighted, including numerical simulations, experimental validation methods, and intelligent sensing systems, with an emphasis on bridging theoretical advances and practical applications. We invite papers in the fields of offshore aquaculture and fishery engineering. Submissions should provide comprehensive overviews of recent technological advancements, propose strategic optimizations for aquaculture systems, fishing gear, or equipment, and outline future research directions.

Guest Editors

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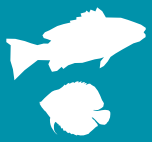

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About the Journal

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

Prof. Dr. Maria Angeles Esteban
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