Special Issue

Infrastructure for Offshore Aquaculture Farms

Message from the Guest Editors

The global expansion of offshore aquaculture—encompassing both seaweed cultivation and fish farming—necessitates the development of resilient, cost-effective, and sustainable infrastructure to address the challenges posed by deeper waters, energetic ocean conditions, an unreliable supply of renewable energy and environmental sustainability. This Special Issue delves into the latest advancements in engineering, design, and integration strategies for offshore aquaculture systems. The primary scope of this Special Issue includes innovative floating structures, mooring systems, and net cage designs tailored to open-ocean environments; the adoption of digital twins and autonomous monitoring technologies to enhance operational efficiency and structural integrity; and the exploration of co-location opportunities with offshore renewable energy installations, such as wind farms, to optimize spatial utilization and reduce costs.

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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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