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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The *Journal of Marine Science and Engineering* (*JMSE*; ISSN 2077-1312) is an international peer-reviewed open access journal which provides an advanced forum for studies related to marine science and engineering. The journal aims to provide scholarly research on a range of topics, including ocean engineering, chemical oceanography, physical oceanography, marine biology and marine geosciences. We invite you to publish in our journal sharing your important research findings with the global ocean community.

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