Special Issue

Marine Environmentally-Friendly Antifouling Technology

Message from the Guest Editors

Marine biofouling, the undesirable colonization of organisms on surfaces of marine submerged man-made structures, poses serious economic problems and environmental risks throughout the world. Traditional antifouling coatings use metal-based antifoulants such as tributyltin and cuprous oxide to prevent biofouling, but this causes environmental pollution and ecological damage. Insight into the settlement processes and mechanisms of biofoulers is important for developing novel antifouling technologies. Natural antifouling active products isolated from marine organisms and terrestrial plants are considered as promising sources of environmentally friendly antifoulants. In this Special Issue, we encourage contributions addressing settlement processes and mechanisms of micro- or macrofouling organisms, screening, isolation and application of natural product antifoulants, design and application of novel antifouling polymers, controlled release technology, biomimetic and bioinspired antifouling materials, smart antifouling materials, and other environmentally friendly antifouling technologies. Original research articles and reviews are welcome.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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