Special Issue

Prevention and Control of Biofouling in Marine Environment

Message from the Guest Editors

Biofouling is an age-old challenge. Classic mitigation for biofouling in pipes, etc., is carried out through oxidizing agents like chlorine. Classic mitigation for ship hulls is based on shelf-stable, broad-spectrum, usually long-lived biocides. Newer potential mitigation approaches employ short-lived biocides, UV light, larval behavior disruptors, and foul-release coatings, employing cleaning technologies as well. However, all mitigation approaches are polluting. Moreover, environmental impacts have not been fully assessed. Unprotected and poorly protected surfaces result in other forms of environmental impacts such as corrosion, invasive species, and novel ecosystems. The aim of this Special Issue is to identify timely biofouling challenges, provide mitigation solutions, and identify environmental consequences. “Silver Bullet” solutions require evidence of the lack of impact of all the components utilized.

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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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