Special Issue

Failure Analysis of Marine Structure

Message from the Guest Editors

Marine structures have three categories: fixed, mobile, and floating offshore platforms. However, they can be divided into different groups based on their application, material, and supporting system. These structures are generally impractical when it comes to design, considering all types of loads. Moreover, predicting the response of the marine structures due to wind direction, size of the wind, etc. is complex. Therefore, the specialist employs some random variables to design the marine structures for describing the loads, dimensions, structural properties, etc. Other than that, the marine structures are additionally subjected to berthing loads and operational loads. Failures of marine structures and their accessories can lead to serious consequences. The engineering practice recognizes typically one or few reasons for the failure of such structures: excessive force and/or temperature-induced elastic deformation, yielding, fatigue, corrosion, creep, etc. As a result, it is essential to identify potential threats in the first step that can affect the integrity of marine structures.

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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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