

Special Issue

Marine Harmful Algae

Message from the Guest Editor

Microalgae are the primary producer in the aquatic food web, providing an essential ecological function for all aquatic life. However, some of them are harmful and responsible for causing harmful algal blooms (HABs). HABs can cause serious negative impacts on the economy, fishery/seafood industry, environment, and even recreational activities. Some of the causative agents produce toxins that can cause human illness and even death, which also can be accumulated in seafood. Such contaminations of seafood with biotoxins could negatively affect the shellfish and aquaculture industries. The topics of this Special Issue include but are not limited to:

- The distribution, biodiversity and phylogenetic studies of harmful algae
- The occurrence, ecology, physiology, toxicology of harmful algal blooms
- The control and mitigation of HABs
- Toxin production and ichthyotoxicity of harmful microalgae
- Allelopathic interactions between harmful algae and other microorganisms
- Applications of marine harmful algae
- Molecular mechanism and omics research in harmful algae
- Rapid identification methods for harmful microalgae

Guest Editor

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About the Journal

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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