

Special Issue

Sustainable Concrete in the Marine Environment

Message from the Guest Editor

Marine structures must be strong enough to withstand forces of the sea and marine vessels, as well as the aggressive environments. The concrete needs to be designed to protect the marine structure from excessive wave action and provide sufficient corrosion protection.

Good resistance against harsh exposures can be obtained by selection of new materials and specifications without increasing the cost of concrete production and their maintenance during use. In addition, conventional concrete materials, including OPC, crushed rock/limestone aggregates, are carbon and energy intensive materials.

Since the ingredients of conventional concrete do not work well in the marine/aggressive environment, the aim of this Special Issue is to cover following topics:

- Innovative concrete specification for the marine environment;
- Material selection for durable concrete for the marine environment;
- Cost-competitive green concrete for the marine environment;
- Sustainability assessment of concrete selection for the marine environment.

Assoc. Prof. Wahidul Biswas

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.

Editor-in-Chief

Prof. Dr. Charitha Pattiaratchi

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