

## Special Issue

# Marine Dredging Engineering: Environmental Dredging

### Message from the Guest Editor

As coastal populations continue to grow worldwide, so do issues involving impaired coastal water. One strategy for the mitigation of poor water quality involves the removal of accumulated fine and organic matter (muck). The removal of the legacy load of organics and fine sediment will reduce internal sources of nutrients and turbidity. The dredging community has traditionally been focused on large-scale navigation projects or shoreline stabilization projects. Targeted environmental dredging, operating at smaller scales, requires the development of hardware designed for that purpose. The treatment of the slurry for efficient removal of contaminants and reuse of the solids remain challenges for the community. The goal of Special Issue is to bring together the state-of-the-science and engineering concerning environmental dredging. The Special Issue is seeking the submissions that address targeted or precision dredging techniques for the removal of fine and organic matter, dredging around structures, the environmental benefits from dredging, the disposal and/or reuse of dredged material, and the treatment of the slurry for the removal of nutrients and contaminants.

### Guest Editor

Dr. Robert J. Weaver

Florida Institute of Technology, Department of Ocean Engineering and Marine Sciences, Melbourne, FL, USA

### Deadline for manuscript submissions

closed (30 May 2019)



## Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/si/16520](https://mdpi.com/si/16520)

*Journal of Marine Science and  
Engineering*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jmse@mdpi.com](mailto:jmse@mdpi.com)

[mdpi.com/journal/  
jmse](https://mdpi.com/journal/jmse)





# Journal of Marine Science and Engineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.0



[mdpi.com/journal/  
jmse](https://mdpi.com/journal/jmse)



## About the Journal

### Message from the Editor-in-Chief

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

Prof. Dr. Charitha Pattiaratchi  
School of Engineering, The UWA Oceans Institute, The University of  
Western Australia, Perth, WA 6009, Australia

---

### Author Benefits

#### High Visibility:

indexed with Scopus, SCIE (Web of Science), Ei  
Compendex, GeoRef, Inspec, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Marine) / CiteScore - Q2 (Ocean  
Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is  
provided to authors approximately 15.6 days after  
submission; acceptance to publication is undertaken in 1.9  
days (median values for papers published in this journal in  
the first half of 2025).