



## Sediment Dynamics in Artificial Nourishments

Guest Editor:

**Dr. Carlos Daniel Borges  
Coelho**

RISCO & Department of Civil  
Engineering, University of Aveiro,  
Campus Universitário de  
Santiago, 3810-193 Aveiro,  
Portugal

Deadline for manuscript  
submissions:

**closed (31 December 2022)**

### Message from the Guest Editor

Serious erosion problems related to significant negative sediment budgets in the coastal systems have been identified worldwide. Artificial nourishments are a coastal erosion mitigation strategy that allows decreasing those negative budgets by adding sediment to the coastal system. However, due to the complexity of the coastal processes, sediments dynamics after the intervention present difficult evaluations.

Considering the above, it is important to disseminate the most updated scientific knowledge on understanding the sediment dynamics processes after artificial nourishments. Thus, this Special Issue invites significant research on cross-shore and longshore nourished sediment distribution, turbulence and suspended sediment perturbations, biological impacts, monitoring works and sand tracing, shoreline evolution impacts after nourishments, longevity of the nourishments, and artificial nourishment interaction with other coastal structures or nature-based solutions.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Tony Clare**

School of Natural and  
Environmental Sciences,  
Newcastle University, Newcastle  
upon Tyne NE1 7RU, UK

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed with Scopus, SCIE (Web of Science), GeoRef, Inspec, AGRIS, and other databases.

**Journal Rank:** JCR - Q1 (*Engineering, Marine*) / CiteScore - Q2 (*Ocean Engineering*)

## Contact Us

---

*Journal of Marine Science and  
Engineering* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/jmse  
jmse@mdpi.com  
X@JMSE\_MDPI