

Special Issue

The Sea Level Impacts of Human Activities

Message from the Guest Editor

Human activities have impacted each of these sea level relations. By burning fossil fuels, compounded by deforestation, modern societies have led to climate change that has caused glacial melting as well as the warming of ocean water. The balance of these activities likely led to a masking of the true rate of sea level rise in the 20th century as measured by tide gauges, but a more robust analysis is needed before accurate projections of 21st century sea level rise can be made. This Special Issue is directed toward assessing the state of the art of measurement, causes and consequences of human-induced sea level changes. Papers are encouraged that focus on both relative and eustatic sea level changes that have been or will be affected by human activities. On the one hand, a better understanding of the driving mechanisms will enable more robust projections of future sea level rise. On the other, assessment of the consequences regarding coastal infrastructure will elucidate potential impacts and help inform coastal zone management and adaptation in preparation for a migrating coastline, exacerbated storm impacts, and increasingly frequent flooding events.

Guest Editor

Prof. Dr. Dork Sahagian

Department of Earth and Environmental Sciences, Lehigh University,
Bethlehem, PA 18015, USA

Deadline for manuscript submissions

closed (20 December 2019)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/18794

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

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

Oceans Graduate School and 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).