

Special Issue

GNSS and Geomatics Application for Navigation and Marine Engineering

Message from the Guest Editors

Geomatics techniques and, in particular, the Global Navigation Satellite System (GNSS) are able to greatly contribute to maritime activities. For instance, safe sea navigation takes advantage of accurate, reliable, and continuous positioning from the GNSS. Survey vessel operations are strictly based on geomatics tools, such as the GNSS, multi-beam sonar, and inertial measurement units. Geomatics approaches could also be adopted to analyze and model sea conditions, with benefits for the onboard comfort level, the safety of passengers and crew, and the seakeeping performance of ships under rough-water conditions. In recent years, the interest in underwater surveys, which exploit geomatics, has been growing, and underwater surveys are currently an object of study in the scientific community. This Special Issue is focused on recent and innovative solutions in this area that could improve the efficiency and the safety of maritime activities, including infrastructures on and near the sea, as well as preserve human life. Topics of interest include, but are not limited to: navigation; hydrography; oceanography; marine archaeology; and naval engineering.

Guest Editors

Prof. Dr. Salvatore Gaglione

Department of Science and Technology, University of Naples
Parthenope, Centro Direzionale-Isola C4, 80143 Napoli, Italy

Prof. Dr. Antonio Angrisano

University of Benevento G. Fortunato, Benevento, Italy

Prof. Dr. Vincenzo Piscopo

Department of Science and Technology, University of Naples
"Parthenope", Centro Direzionale Isola C4, 80143 Naples, Italy

Deadline for manuscript submissions

closed (31 August 2020)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



mdpi.com/si/31042

*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
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).