



New Frontiers in Ocean Color Remote Sensing: Novel Applications, Sensor Fusion, and Hyperspectral Sensing

Guest Editor:

Dr. Jason Keith Jolliff

Naval Research Laboratory,
Stennis Space Center, Hancock
County, MS 39529, USA

Deadline for manuscript
submissions:

closed (28 February 2023)

Message from the Guest Editor

Dear Colleagues,

The 1978 launch of the Nimbus 7 spacecraft ushered in a new era of space-borne ocean color observations leading to an improved understanding of our oceans. Technological advancements are once again pushing the scientific horizons on multiple fronts: new sensors on revolutionary small satellite platforms, new methods for data analysis that involve machine learning and artificial intelligence, and hyperspectral remote sensing and imaging systems.

The purpose of this Special Issue is to collect papers that are on the cutting-edge of these advancements and that fall under the collective rubric of ocean color remote sensing. This Special Issue encourages submissions from all aspects, technologies, and methods that involve the detection, analysis, and use of visible-band water radiance from the surface oceans. However, we are particularly encouraging submissions from the following areas:

- (1) New sensors and platforms
- (2) Sensor fusion
- (3) With the hyperspectral NASA PACE mission on the horizon
- (4) Data assimilation
- (5) Pushing the resolution envelope
- (6) Novel applications





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](#)