



## Innovative Development of Offshore Wind Technology

Guest Editors:

**Dr. Tianhui Fan**

School of Civil Engineering and  
Transportation, South China  
University of Technology,  
Guangzhou 510641, China

**Prof. Dr. Muk Chen Ong**

Department of Mechanical and  
Structural Engineering and  
Materials Science, University of  
Stavanger, Stavanger, Norway

Deadline for manuscript  
submissions:

**15 June 2024**

### Message from the Guest Editors

Dear Colleagues,

We are inviting submissions to a Special Issue in *Journal of Marine Science and Engineering* on “Innovative Development of Offshore Wind Technology”. Offshore wind resources are abundant, yet there are much more complicated technological issues related to design, installation, operation, maintenance, lifetime extension and decommissioning, compared to onshore wind. Nowadays, offshore wind has been rapidly evolving with the aim to deploy larger wind turbines at deeper water depths and in more complex and extreme environmental conditions. Challenges arise when it comes to innovative wind turbine and foundation designs, reliable and optimized installation methods, and cost-effective operation and life-cycle maintenance. Furthermore, there has been continuous progress in wind farm optimization, control strategies, structural health monitoring, simulation methods, model tests, dynamic analyses as well as new materials. Therefore, we provide this Special Issue as a multidisciplinary forum for discussions on innovative development of offshore wind technology, and invite authors to contribute their latest studies, findings, and ideas to this Special Issue.





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](http://www.mdpi.com)

[mdpi.com/journal/jmse](http://mdpi.com/journal/jmse)  
[jmse@mdpi.com](mailto:jmse@mdpi.com)  
[X@JMSE\\_MDPI](#)