



an Open Access Journal by MDPI

Modelling Waves in Coasts and Estuaries

Guest Editors:

Prof. Dr. Harshinie Karunarathna

Energy and Environment Research Group, Zienkiewicz Centre for Computational Engineering, College of Engineering, ESRI Building, Bay Campus, Swansea University, Swansea SA1 8EN, UK

Dr. Jennifer Brown

Marine Physics and Ocean Climate, National Oceanographic Centre, Liverpool, UK

Deadline for manuscript submissions: closed (15 October 2016)

Message from the Guest Editors

Dear Colleagues,

Ocean waves play a direct role in defining hydrodynamic, sediment transport, and morphodynamic characteristics of coasts and estuaries. In addition, they can play an indirect role through wave-current interaction. As a result, stability and integrity of coastal and estuarine systems are directly linked to local wave conditions prevailing in these systems. Additionally, waves can have a significant impact on marine ecosystem dynamics, pollutant transport and ecosystem services. This Special Issue will provide a collection of research articles on the advances in modeling, analyses and forecasting of waves in coastal and estuarine systems.

Dr. Harshinie Karunarathna Dr. Jenifer Brown *Guest Editors*



mdpi.com/si/5626







an Open Access Journal by MDPI

Editor-in-Chief

_

Prof. Dr. Charitha Pattiaratchi

Oceans Graduate School and The UWA Oceans Institute, The University of Western Australia, Perth, WA 6009, Australia 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.

Message from the Editor-in-Chief

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 (*Civil and Structural Engineering*)

Contact Us

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