Special Issue

Prediction of Weather and Climate Effects on Integrated Watershed, Estuarine, and Coastal Ocean Dynamics

Message from the Guest Editor

The Low-Elevation Coastal Zone (LECZ) is home to over 10% of the planet's human population and covers 13% of the global urban space. Our Estuaries have been among the most productive ecosystems of the world since primeval times. The Coastal Ocean provides critical habitat to over 90% of all known marine species. Climate change indicators attest alarming alterations of these environments that affect life and property of our human communities that live on the LECZ and utilize its surrounding coastal resources. Therefore—and in order to inform smart, adaptive management strategies and conservation initiatives—predictions and projections of the coastal zone's physical space and ecosystems need to utilize comprehensive, unified energy flow models that integrate the macroscopic, synoptic and ecosystem level to the detailed level of human engineering. This special issue is launched to provide a compilation of current state of the art and future perspectives in the Prediction of Weather and Climate Effects on Integrated Watershed, Estuarine, and Coastal Ocean Dynamics.

Guest Editor

Dr. Nickitas Georgas

Davidson Laboratory, Civil, Environmental, and Ocean Engineering Department, Stevens Institute of Technology, Castle Point on Hudson, Hoboken, NJ 07030, USA

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

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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

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