

Special Issue

Sea Level Changes: Advances in Observation Techniques, Modeling, and Understanding of Causes and Impacts

Message from the Guest Editor

Future sea level rises pose a high risk to the rapidly increasing populations of many coastal locations. Unlike heat waves, droughts, storms, and river floods, which have severe impacts on local and regional scales, significant sea level rises will have impacts on a global scale. Rapid sea level rises caused by collapses of parts of the Greenland or Antarctic ice sheets could result in massive migration, catastrophic loss of production capabilities and coastal real estate, and unprecedented pollution of the ocean. Therefore, there is an urgent need for better assessments of the full range of plausible trajectories of sea level rises at local and regional scales to enable responsible risk governance. Forecasting decadal sea level changes at local and regional scales is an urgently needed service for those engaged in risk governance in coastal settlements and megacities.

Guest Editor

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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.

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