Special Issue

Remote Sensing of Ocean Internal Waves

Message from the Guest Editors

This Special Issue involves using satellites and other instruments to detect and study the internal waves that occur within the ocean. Internal waves play an important role in processes of horizontal and vertical exchange and mixing of waters and in the formation of the thermohaline circulation of water objects as well.
One of the primary methods for the remote sensing of ocean internal waves is using satellite synthetic aperture radars (SARs). Another method for the remote sensing of ocean internal waves is using acoustic instruments. Acoustic instruments, such as sonar systems and ADCP, can be used to measure the velocity and direction of the waves as they move through the water.
In addition to remote sensing, other techniques can also be used for studying ocean internal waves. For example, oceanographic buoys equipped with sensors can be used to measure the temperature, salinity, and velocity of the water at different depths. These measurements can provide valuable information about the structure and dynamics of the internal wave field.

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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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