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Oceanic Internal Waves and Internal Tides in the East Asian Marginal Seas

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Deadline for manuscript submissions:
closed (25 December 2021)

Message from the Guest Editors

Dear Colleagues,

Oceanic internal waves (IWs) at frequencies from local inertial (e.g., near-inertial internal waves) to buoyancy frequencies (nonlinear internal waves or internal solitary waves) sometimes including diurnal and semidiurnal tidal frequencies play an important role in redistributing heat, momentum, materials, and energy via turbulent mixing. The IWs are ubiquitously found in many seas, including East Asian marginal seas (South China Sea, East China Sea, Yellow Sea, East Sea or Japan Sea, Okhotsk Sea), significantly affecting underwater acoustics, coastal and offshore engineering, submarine navigation, biological productivity, and the local and global climate. On the IWs in some regions, our understanding of the IWs in the East Asian marginal seas is still in a primitive state and the mechanisms underlying every stage (generation, propagation, evolution, and dissipation) of IWs are not always clear. This Special Issue invites papers related to all fields of both low- and high-frequency IW studies in the specified region, including remote sensing, in situ observations, theories, or numerical models.
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Message from the Editor-in-Chief

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