

Special Issue

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

Message from the Guest Editors

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.

Prof. Dr. SungHyun Nam

Guest Editors

Prof. Dr. Sung Hyun Nam

Ocean Observation Laboratory, School of Earth and Environmental Sciences, Seoul National University, Seoul 08826, Republic of Korea

Prof. Dr. Xueen Chen

College of Oceanic and Atmospheric Sciences, Ocean University of China, Qingdao, China

Deadline for manuscript submissions

closed (25 December 2021)



Journal of Marine Science and Engineering

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.0



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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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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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Prof. Dr. Charitha Pattiaratchi
School of Engineering, The UWA Oceans Institute, The University of
Western Australia, Perth, WA 6009, Australia

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