Special Issue

Different-Scale Fields of the World Ocean, Their Interaction

Message from the Guest Editor

This Special Issue is devoted to the study of the physics of generation, dynamics, transformation of different-scale fields of the world ocean and their interaction. Of particular interest are the physical mechanisms of interaction of different-scale hydrophysical wave fields, the result of which is the appearance of a third field. Much attention will be paid to the interaction of multiscale hydrophysical fields and hydroacoustic fields of artificial and natural origin. Research will also be devoted to the study of the influence of different-scale hydrophysical and hydroacoustic fields on biological objects. Especially interesting are the problems of studying the physics of generating electromagnetic fields of the world ocean in the dynamics of the hydrophysical and hydroacoustic fields. When studying all these processes, it is necessary to take into account the contribution of neighboring geospheres to the different-scale fields of the world ocean. Part of the research is aimed at developing installations and methods aimed at contact and remote monitoring of the studied phenomena.

Guest Editor

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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.

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