Special Issue

Applications of Machine Learning in Marine Ecology Studies

Message from the Guest Editors

Recent technological advances in marine sciences enable the collection of large and complex datasets, with multiple interactions between variables, which hampers traditional methods in marine ecology seeking to translate the vast amount of information into a decision-making format. Machine learning methods have the ability to learn from large datasets to find patterns and predict outcomes via unsupervised and supervised learning tasks. The purpose of this Special Issue is to foster discussions on state-of-the-art machine learning research directions across several areas in marine sciences, including, but not limited to, fisheries, oceanography, pollution, and biodiversity studies. Particular focus will be given to the challenges posed by today's ecological datasets, namely data quality and growing dimensionality. The Special Issue will strengthen the communication channels between marine and machine learning scientists for an efficient use of available data and proper extraction of meaningful information from marine ecology systems.

Guest Editors

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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.

Editor-in-Chief

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