



## Remote Sensing of Marine Environment

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### Message from the Guest Editors

Dear Colleagues,

Most of the world's coastlines are dominated by ecologically and economically important species that provide numerous ecosystem services. The additional structure provided by temperate and tropical reefs sustains food webs by providing food and shelter for a wide variety of species including herbivores, detritivores, predators, and other filter feeders.

The main source of information regarding habitats is imagery as acoustic techniques have too low resolution and may provide indirect data only about substrate and facies. Multispectral imagery supplies researchers with the most reliable information but requires accurate knowledge of many parameters, including water properties, illuminant spectrum, etc. Some useful information may be obtained from optical sensors that are far away from habitats, such as airborne lidar and satellites. These data have even lower resolution than that of acoustic sensors but come with no cost, as a byproduct of the data collected for other purposes. High-resolution imagery allows recognition of individual species and substrates by means of supervised and semi-supervised machine learning.





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## Message from the Editor-in-Chief

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