



## Advancements in 3D Lidar Remote Sensing Technology in the Ocean: Instruments and Algorithms

Guest Editor:

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### Message from the Guest Editor

Dear Colleagues,

With recent advancements in laser technology, optoelectronic detection technology, and fiber optics, the field of marine 3D lidar detection is rapidly developing. On one hand, significant improvements have been made in terms of power consumption, size, and the integration level; on the other hand, with the evolution of information extraction technologies such as artificial intelligence, a multitude of algorithms for extracting marine information have been developed. Lidar is becoming an important supplement to ocean color remote sensing, providing insights into optical parameters under high sun angles, chlorophyll, CDOM, marine primary productivity, temperature-salinity profiles, schools of fish, internal waves, etc.

We invite scientists in this field to contribute articles to this Special Issue. The Special Issue will broadly focus on instruments, algorithms, case studies, and both actively and passively integrated observational studies related to marine detection lidar. [...]

For further reading, please follow the link to the Special Issue Website at:

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