

Special Issue

Advanced Sensing Technology for Ocean Observation

Message from the Guest Editor

As you know, oceans play a key role in determining climate and life on the earth. In spite of their importance, however, many aspects of sea science are still rather unknown, both because of the complexity of interactions between physics, chemistry, biology, and human activities and because of the difficulties to carry out accurate, continuous, and reliable measurements even of simple variables such as temperature and salinity. Many kinds of measurements, in particular by satellite, offer great advantages in terms of coverage and continuity but suffer some important drawbacks that cannot be overcome through other satellite observations. Many open problems, spanning different spatial scales (from molecular processes to global issues) and timescales (from chemical dynamics to geological eras) still limit our understanding of the processes that involve ocean physics, chemistry, and biology. There is a new challenge for accurate, reliable, and continuous measurements in a variety of fields, from basic physics to applications for optimization and sustainability of fishing and navigation. For more information, please visit: mdpi.com/si/55976

Guest Editor

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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