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Recent Advances in Ocean Physics, Geochemistry and Biology from Unmanned Marine Vehicles

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manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

Modern unmanned marine vehicles allow characterizing the sea surface and the water column from physical, chemical and biological points of view across a continuum of space and time scales. This Special Issue provides an opportunity to publish novel results on all aspects of the scientific analysis of data collected with such platforms and in combination with other platforms on the coastal, regional, basin, or global scales. Topics can include the physical (e.g., hydrology, hydrodynamics, acoustic, optics), geochemical (e.g., nutrients), and biological (e.g. primary and secondary production, biomasses) variability of the ocean.

Manuscripts focusing on ocean processes on different spatial and temporal scales (from ocean turbulence to basin-wide circulation) and interactions between the ocean, atmosphere, and land are welcome. We also invite contributions on unmanned marine vehicles data management, the operational use of the data (e.g., in operational forecasting systems), and the development or implementation of new instrumentation and sensors.

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Special Issue