



Advances in Remote Sensing of Ocean Salinity

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Message from the Guest Editor

The aim of this Special Issue is to highlight the successes, applications, and impacts of satellite-derived sea surface salinity measurements on oceanographic research. It also highlights several ongoing innovative, synergetic uses of other satellite-derived parameters (e.g., SST, altimetry, scatterometry, ocean color), in situ measurements and numerical models to further our understanding of the global earth system, especially ocean variability, dynamics, and air–sea interactions. In this Special Issue, we welcome papers exploring all areas in remote sensing of salinity.

The topics of interest include, but are not limited to:

- Effects of rain on satellite salinity retrieval;
- Comparison, evaluation, and validation of satellite-derived sea surface salinity;
- Sea surface salinity variability using satellite(s), in situ observations, and ocean models;
- Ocean salinity budgets, fluxes, and transports;
- Salinity-influenced stratification, and air–sea interactions;
- Use of satellite-derived sea surface salinity in understanding freshwater plumes;





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Message from the Editor-in-Chief

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