Special Issue

Advances in Remote Sensing of Ocean Salinity

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;

Guest Editor

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Deadline for manuscript submissions

closed (20 March 2025)

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

Editor-in-Chief

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