



## Aerial and Satellite Remote Sensing of Surface Ocean Currents

Guest Editor:

**Dr. Daniel F. Carlson**

Centre for Materials and Coastal  
Research, Institute of Coastal  
Research, Helmholtz-Zentrum  
Geesthacht, Geesthacht,  
Germany

Deadline for manuscript  
submissions:

**closed (31 October 2021)**

### Message from the Guest Editor

Dear Colleagues,

We invite you to submit articles to a special issue that focuses on recent advances in remote sensing sensors, including satellite and aerial platforms, and techniques used to monitor surface ocean currents. We invite contributions that include, but are not necessarily limited to, new methods/advances, inter-comparisons between sensors/techniques and validation with observations and numerical ocean models. We especially welcome papers that address the need to resolve the wide range of spatiotemporal scales of variability in ocean dynamics (for example, submesoscale to mesoscales). Given the large amounts of data that are produced daily by satellites in orbit, as well as through high-resolution aerial imagery campaigns, data science approaches that provide tools to manipulate and visualize big datasets are also welcome.

Dr. Daniel F. Carlson  
*Guest Editor*





an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S.  
Geological Survey (USGS), USGS  
Western Geographic Science  
Center (WGSC), 2255, N. Gemini  
Dr., Flagstaff, AZ 86001, USA

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

**Journal Rank:** JCR - Q1 (*Geosciences, Multidisciplinary*) / CiteScore - Q1 (*General Earth and Planetary Sciences*)

## Contact Us

*Remote Sensing* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/remotesensing](http://mdpi.com/journal/remotesensing)  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)  
[X@RemoteSens\\_MDPI](https://twitter.com/RemoteSens_MDPI)