

## Special Issue

# Oceanographic Lidar in the Study of Marine Systems

### Message from the Guest Editors

With new vertically resolved and diurnal continuous measurements, LiDAR can provide new insights into seawater bio-optical vertical structure, which will enhance our understanding of biogeochemical processes. This Special Issue aims to bring some of the leading scholars in the fields of LiDAR remote sensing, ocean optics, and marine biochemists to describe current and new active or passive remote sensing technologies, and collect the recent achievements of active and passive ocean optical remote sensing in recent years. This Special Issue welcomes:

- History or review of oceanographic LiDAR;
- Multiple scattering LiDAR signal simulation;
- Development of new algorithms of oceanographic LiDAR remote sensing;
- Evaluation of oceanographic LiDAR inversion algorithms;
- Applications of LiDAR techniques to retrieve profiles of biogeochemical parameters;
- Applications of LiDAR techniques for plankton diurnal variation;
- LiDAR remote sensing of aerosol or winds above ocean;
- Potential of new space-borne ocean LiDAR;
- Any other issues related to remote sensing of seawater vertical structure.

### Guest Editors

Dr. Peng Chen

Dr. Cédric Jamet

Prof. Dr. Junwu Tang

Dr. Martin A. Montes

### Deadline for manuscript submissions

20 December 2025



## Remote Sensing

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CiteScore 8.6



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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.

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### Editor-in-Chief

Dr. Prasad S. Thenkabail

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