



Remote Sensing of Phytoplankton Ecology

Guest Editors:

Prof. Dr. Shilin Tang

State Key Laboratory of Tropical Oceanography (LTO), South China Sea Institute of Oceanology, Chinese Academy of Sciences, Guangzhou 510301, China

Prof. Dr. Jun Chen

1. School of Human Settlements and Civil Engineering, Xi'an Jiaotong University, Xi'an 710049, China
2. State Key Laboratory of Satellite Ocean Environment Dynamics, Second Institute of Oceanography, Ministry of Natural Resources of the People's Republic of China, Hangzhou 310012, China

Deadline for manuscript submissions:

closed (31 August 2023)

Message from the Guest Editors

In this Special Issue, topics include, but are not limited to:

- Establishment of new remote-sensing algorithms of phytoplankton biomass (i.e., chlorophyll-a concentration, phytoplankton carbon biomass), function type, primary production, and harmful algal blooms;
- Improvement, re-parameterization, validation, or contrast of current remote-sensing algorithms of phytoplankton;
- Evaluation of the applicability of current algorithms for phytoplankton ecology to remote-sensing data from different satellites;
- Studying the response of marine phytoplankton to hydro-physical processes and climate change based on remote sensing;
- Studying the role of phytoplankton in global carbon circulation based on remote sensing.





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

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)