Special Issue

Remote Sensing for Marine Ecological Research

Message from the Guest Editors

From coral reefs to seagrass, kelp forests, and more, the marine environment is changing in its composition and extent at an increasing rate. In response, methods and approaches for the detection, monitoring, and management of marine ecosystems are growing in their breadth and value for research and application. Remote sensing plays a key part in these ongoing efforts. From data science to technology innovations, remote sensing in support of marine ecology has undergone explosive growth over the past 5-10 years. However, the scientific literature on these developments remains disparately spread across journals and non-peer reviewed documents, creating barriers to cross-disciplinary collaboration and the identification of critical research gaps. This Special Issue will present a variety of state-of-the-art advances in remote sensing for marine ecology. From underwater- to surface-based observations, and from drone to satellite levels, this compilation of the latest research and breakthroughs in the field of remote sensing will serve to propel the field and inform the broader scientific community. We invite submissions of comprehensive review articles and research articles.

Guest Editors

Prof. Dr. Gregory P. Asner

Center for Global Discovery and Conservation Science, Arizona State University, Hilo, HI 96720, USA

Dr. Jiwei Li

Center for Global Discovery and Conservation Science, Arizona State University, Tempe, AZ 85281, USA

Deadline for manuscript submissions

28 February 2026

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/249016

Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

mdpi.com/journal/remotesensing

MDPI

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

About the Journal

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

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

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)