



Remote Sensing of Carbon Cycle Science

Guest Editor:

Dr. Victoria Meyer

Division of Engineering and
Applied Science, California
Institute of Technology,
Pasadena, CA 91125, USA

Deadline for manuscript
submissions:

closed (31 December 2021)

Message from the Guest Editor

Dear Colleagues,

The land and ocean carbon sinks play a key role in the carbon cycle, regulating atmospheric CO₂ concentrations. However, their associated uncertainties remain large, leading to large uncertainties in climate feedbacks and therefore in atmospheric CO₂ concentrations predictions.

This Special Issue aims to bring together studies that focus on different aspects of the carbon cycle, encompassing the remote sensing of terrestrial CO₂ (forests, land use/land cover change), ocean CO₂, and atmospheric CO₂. We also seek papers that describe new or future instruments and data that will advance the field of remote sensing of the carbon cycle. Papers using either airborne or spaceborne remote sensing data are welcome. Studies focusing on the interactions between the carbon cycle and the water cycle are also encouraged.

Dr. Victoria Meyer
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, Grosspeteranlage 5
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)