



## Remote Sensing of Solar Radiation Satellite

Guest Editor:

**Dr. Didier Gillotay**

Royal Belgian Institute for Space  
Aeronomy, 1180 Uccle, Belgium

Deadline for manuscript  
submissions:

**closed (30 September 2021)**

### Message from the Guest Editor

Solar radiation, being the only source of energy received by the Earth, is a key issue for the survival of our planet, its environment and for life on Earth. It impacts a large series of research domains such as renewable energy solutions, local and global climatology, atmospheric chemistry and physics, agriculture, global warming.

This Special Issue aims to review techniques for solar radiation measurements and modeling, including historical developments, technical comparisons, new instrumental design, solar radiation networks, recent measurements from space and at the ground level, new radiation transfer models, comparison of models and in situ measurements, and new statistical studies for predictive methods.

Comparison of the different methods of measurements and the different models should reduce uncertainties and provide better and more accurate knowledge of global solar radiation, its spectral components, and its direct diffuse and retro-diffuse components that are of major interest for researchers in alternative energy solutions, climatology, and agricultural issues.





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)