



Current Advances in Radiative Transfer Modeling for Satellite Optical Remote Sensing Applications

Guest Editors:

Dr. Thomas Ruhtz

Freie Universität Berlin, Institut für Weltraumwissenschaften (Institute for Space Sciences), Carl-Heinrich-Becker Weg 6-10, 12165 Berlin, Germany

Dr. Rene Preusker

Freie Universität Berlin, Institut für Weltraumwissenschaften (Institute for Space Sciences), Carl-Heinrich-Becker Weg 6-10, 12165 Berlin, Germany

Dr. Alexander Kokhanovsky

Max Planck Institute for Chemistry, 55128 Mainz, Germany

Message from the Guest Editors

The very broad range of bandwidths of different remote sensing instruments, types and applications leads to a high number of different radiative transfer models (RTMs) dedicated to specific tasks. A number of new satellites and instruments is on the road with higher resolutions and accuracies. We will aim on recent results and descriptions on how RTMs are used to derive specific parameters in satellite remote sensing applications. The presentation of current radiative transfer models, their extensions and new approaches which will lead to faster results and/or higher accuracies is highly relevant to this special issue.

Deadline for manuscript submissions:

closed (30 September 2021)





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)