



## Remote Sensing of Atmosphere and Underlying Surface Using OLCI and SLSTR on Board Sentinel-3: Calibration, Algorithms, Geophysical Products and Validation II

Guest Editors:

**Dr. Craig Donlon**

European Space Agency,  
ESTEC/EOP-SME, Keplerlaan 1,  
2201 AZ Noordwijk, The  
Netherlands

**Dr. Alexander Kokhanovsky**

Max Planck Institute for  
Chemistry, 55128 Mainz, Germany

**Prof. Dr. Peter North**

Global Environmental Modelling  
and Earth Observation (GEMEO),  
Department of Geography,  
College of Science, Swansea  
University, Singleton Park,  
Swansea SA2 8PP, UK

Deadline for manuscript  
submissions:

**closed (30 June 2024)**

### Message from the Guest Editors

Dear Colleagues,

This is the second edition of the “Remote Sensing of Atmosphere and Underlying Surface Using OLCI and SLSTR on Board Sentinel-3: Calibration, Algorithms, Geophysical Products and Validation”.

This Special Issue is aimed at presentation of results derived from two instruments onboard of the ESA Sentinel-3 mission: Ocean and Land Colour Instrument (OLCI) and Sea and Land Surface Temperature Radiometer (SLSTR). Papers related to the following topics are welcome:

- remote sensing of atmosphere,
- remote sensing of underlying surface including ocean, land, snow and ice,
- description of retrieval algorithms,
- calibration of the instruments,
- validation of geophysical products.

Dr. Craig Donlon

Dr. Alexander Kokhanovsky

Prof. Dr. Peter North

*Guest Editors*





an Open Access Journal by MDPI

## Editors-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

### Prof. Dr. Dongdong Wang

Institute of Remote Sensing and  
Geographic Information Systems,  
Peking University, Beijing, China

## Message from the Editorial Board

*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](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)