Special Issue

New Perspectives for Atmospheric Correction: Theory, Methods and Applications

Message from the Guest Editors

Atmospheric correction is critical in deriving land surface biophysical parameters from both optical and thermal infrared remotely sensed data. Radiative transfer model rigorously describes the scattering, absorption and emission characteristics of cloud, aerosols and gasses in the atmosphere, which is the key theory serving for atmospheric parameters retrieving and atmospheric correction. This Special Issue is aimed at the most recent progresses of the following topics, but not limited to:

- Retrieval of aerosol properties from moderate-high spatial resolution satellite observations or by combining different instruments.
- Better aerosol optical depth retrieval based on historical accumulated data and validation, especially for bright surface and sparely vegetated surface.
- Radiative transfer modeling, atmospheric parameters inversion and validation.
- Novel or operational atmospheric correction algorithms for optical and thermal infrared images.
- Land surface variables retrieval and evaluation under various atmospheric conditions.

Guest Editors

Dr. Heshun Wang

Prof. Dr. Bo Zhong

Dr. Linlu Mei

Dr. Jingjing Peng

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

mdpi.com/journal/remotesensing

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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

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