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Estimation of the Surface Solar Irradiance Using Remotely Sensed Data

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Deadline for manuscript submissions:
closed (15 March 2023)

Message from the Guest Editors

The Special Issue aims to highlight latest contributions from research that address all aspects of SSI estimation using remotely sensed data, ranging from scientific fundamentals up to applicative needs. In addition, this issue will highlight the latest scientific and technological developments in this field of study.

Manuscripts on all aspects related to estimation of the SSI using remotely sensed data are therefore welcome, focusing on models, methods, validations, and data products, to gain insight on the current research status.

Paper topics may include (but are not limited to) the following:

- High-resolution solar resource assessment;
- Cloud and aerosol effects;
- Short-term and intra-day SSI forecasting through assimilation of remotely sensed data;
- Corrections for 3D cloud effects;
- Modeling approaches;
- Separation models;
- Site adaptation techniques;
- Spatial-scale mismatch of remotely sensed data;
- Urban environment irradiance modelling based on remotely sensed data.

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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.

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