



Assessment of Solar Energy Based on Remote Sensing Data

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Message from the Guest Editors

Dear Colleagues,

In 14 and a half seconds, the sun provides as much energy to Earth as its population uses daily. However, assessing solar energy potential and performance require accurate and reliable data on the solar resource and the environmental conditions, which can be used to evaluate solar energy variability and availability and optimize the design and operation of solar energy systems. Remote sensing data can support this direction in the planning and managing of solar energy production. Planning can facilitate the transition to green energy, the integration of solar energy into the power grid, and the development of solar energy policies and markets. At the same time, efficient management ensures energy security based on renewables.

This Special Issue will showcase the overall improvement in research and developments in remote sensing data, modelling approaches, and techniques for solar radiation and energy assessment, nowcasting, and forecasting from rooftop photovoltaic installations in urban environments to big solar farms on regional or even global scales.





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Message from the Editor-in-Chief

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