## **Special Issue**

# Solar Radiation and Its Influences on Climate Change

## Message from the Guest Editor

Recently, we have witnessed episodes of severe weather all over the world, such as violent storms, record temperatures, long droughts or massive floods. Many of these phenomena are considered signs of imminent climate change, and the common perception in both the scientific world and society at large is that renewable sources of energy, in particular solar energy, can significantly contribute to slowing down climate change. The large-scale integration of photovoltaic plants requires accurate information about the collectable solar energy, in the form of estimates at the design stage and forecasts at the operational stage. Solar energy at ground level is fundamentally conditioned by the radiative transfer in the Earth's atmosphere. In this general picture, the current Special Issue aims to bring together relevant studies on the relationship between solar energy and climate.

## **Guest Editor**

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### Deadline for manuscript submissions

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## **About the Journal**

## Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

#### Editor-in-Chief

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