Special Issue

Geomagnetic Storms and Their Consequences: Advances in Prediction Models

Message from the Guest Editor

We are pleased to announce a Special Issue dedicated to “Geomagnetic Storms and Their Consequences: Advances in Prediction Models”, inviting high-quality research articles, reviews, and case studies that focus on the dynamic interactions between solar wind, magnetosphere, ionosphere, and upper atmosphere, especially the geomagnetic storms and their consequences. Topics of interest include but are not limited to:

- Storm-induced ionospheric plasma irregularities and scintillations
- Thermospheric composition and density changes during storms
- Magnetosphere-ionosphere-thermosphere coupling processes
- Impacts on GNSS, radar, and HF communication systems
- Long-term trends in space weather effects on the upper atmosphere

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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