Special Issue

Novel Insights into the Effects of Space Weather on Human Health

Message from the Guest Editor

Space weather is a modern field of science that focuses on the conditions on the Sun, the variations in the Earth's magnetosphere, geomagnetic activity and their impact on a wide range of human activities. The various manifestations of space weather can not only influence the performance and reliability of space borne and ground based technological systems but also endanger human health.

The effects of solar and geomagnetic activity on human health can be examined through variations of human physiological parameters that can be verified and are obtained directly from an individual . Moreover, epidemiological data are also used in order to depict the spatial and temporal distribution of defined events or health disturbances. These data are analysed in retrospective studies and refer to a large number of individuals over a period of several years.

The purpose of this Special Issue is to gather recent and contemporary studies regarding space weather and human health, to highlight the need to conduct investigations in different latitudinal and longitudinal areas and at different levels of environmental physical activity and to create a foundation for further investigations.

Guest Editor

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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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