

Special Issue

Research and Space-Based Exploration on Space Plasma

Message from the Guest Editors

Space plasma is found widely, whether in near Earth or deep space. It is the main subject investigated in the field of space physics and space weather, and affects not only human's space activities but also has major implications for socioeconomic life. Its characteristics have been studied and explored for more than half a century, but remain many mysteries to be researched and explored. The aim of this Special Issue is to demonstrate the newly measured and studied characteristics of space plasma and will mainly focus on the following aspects:

- The most recent results and related research about space plasma based on data from space missions (especially those from Chinese missions and from joint research conducted with international missions);
- The development of new instrument designs for space plasma exploration for current or future space missions;
- The modeling and simulation of different space plasma.

The research areas and topics of discussion include the ionosphere and magnetosphere of the Earth, the solar wind, the space plasma near extraterrestrial objects (e.g. the moon, the Mars, asteroids and comets), etc.

Guest Editors

Prof. Dr. Aibing Zhang

National Space Science Center, Chinese Academy of Sciences, Beijing 100190, China

Dr. Lei Li

National Space Science Center, Chinese Academy of Sciences, Beijing 100190, China

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Atmosphere
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atmosphere@mdpi.com

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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

Dr. Daniele Contini

Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

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