

Special Issue

Venus Atmosphere: Recent Trends, Current Progress and Future Directions

Message from the Guest Editor

This Special Issue intends to include research that contributes to the study of planetary atmospheres in the context of understanding their physical, chemical and dynamical processes. On Venus, the temporal and spatial variability of wind, the role of waves and the mechanisms that allow topography to influence the upper cloud motions need to be addressed more efficiently. This Special Issue will also combine space and ground-based observations with state-of-the-art model simulations with the aim of improving our understanding of the atmospheres of our solar system's planets. We welcome research that utilizes different observational techniques to measure the winds on Venus, models Venus' atmosphere with GCM as well as investigations that foster the study of the chemical composition retrieval and radiative transfer related to Venus' atmosphere.

Guest Editor

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Deadline for manuscript submissions

closed (12 January 2024)



Atmosphere

an Open Access Journal
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Impact Factor 2.3
CiteScore 4.9



mdpi.com/si/137486

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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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