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Atmosphere



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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!

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Aims

Atmospheric Sciences present several great challenges in regard to current research with interdisciplinary complexities. In the world at large, atmosphere influences human life in terms of air quality and health, climate change, and extreme weather events. This has pushed the research community to tackle the complexity of atmosphere, leading to a better and deeper understanding of the concepts, mechanisms, and processes involved in atmospheric sciences and their inter-correlation, helping to drive global changes. The continuous development of large atmospheric observation networks and the application of advanced regional and global modelling, coupled with high-performance computing, will be essential instruments for researchers in the near future, allowing for innovation and the development of new ideas and approaches in the field of atmospheric sciences to improve our knowledge of the atmosphere.

Scope

- Aerosols
- Air Quality
- Air Quality and Health
- Air Pollution Control
- Atmospheric Techniques, Instruments, and Modeling
- Biometeorology and Bioclimatology
- Biosphere/Hydrosphere/Land-Atmosphere Interactions
- Climatology
- Meteorology
- Planetary Atmospheres
- Upper Atmosphere

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