



an Open Access Journal by MDPI

Developments in the Detection and Characterization of Planetary Atmospheres

Guest Editors:

Dr. Michel Blanc

Institut de Recherche en Astrophysique et Planétologie, Université de Toulouse / CNRS / UPS / CNES, Toulouse, France

Dr. Thomas Smith

Institute of Geology and Geophysics, Chinese Academy of Sciences, Beijing 100029, China

Deadline for manuscript submissions: closed (19 November 2021)

Message from the Guest Editors

The study of the various atmospheric and exospheric environments in our solar system, from telluric planets to gas and ice giants and even to dwarf planets, as well as of their respective satellites offer a "close" comparative laboratory in our understanding of the growing numbers of exoplanet candidates and their potential habitability. We are inviting researchers to contribute original research articles as well as review articles including the current state-of-the art techniques for the observation/investigation of (exo-)planetary atmospheres, their composition, chemistry, and dynamics. In addition, authors are encouraged to discuss the current technical challenges and recent developments, as well as put emphasis on the habitability issue.









an Open Access Journal by MDPI

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

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!

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases. **Journal Rank:** CiteScore - Q2 (Environmental Science (miscellaneous))

Contact Us

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