Special Issue

New Insights in the Modeling of Earth and Planetary Atmospheres

Message from the Guest Editor

This Special Issue is an appropriate venue for original results, review papers, and model studies related to the simulations of solar and extrasolar planetary atmospheric chemistry and dynamics. Authors are encouraged to consider including comparative planetology and model user accessibility in their discourse whenever appropriate, and to optionally include a section touching on future issues, opportunities, and/or concerns related to their topics, on the 5-, 15-, and 25-year horizons.

This Special Issue can serve as a valuable snapshot of the overarching field for practitioners, and a means of stimulating model interoperability, multidisciplinary collaborations, and new functionality, across the entire hierarchy, from idealized process to multi-dimensional modeling, and whole-atmosphere simulations, to planetary operational forecasting. A major emphasis of this Special Issue is to impart diverse voices in the arena of earth and planetary modeling. To meet this goal, we encourage research scholars from all backgrounds to submit their novel research manuscripts, especially underrepresented academicians/researchers.

Guest Editor

Dr. Christopher Boxe

Earth, Environment, and Equity Department, NOAA Center for Atmospheric Science & Meteorology, Howard University, Washington, DC 20059, USA

Deadline for manuscript submissions

closed (31 May 2024)

Atmosphere

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Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/188421

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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