Special Issue

Cloud Radiative Processes and Effect

Message from the Guest Editor

Clouds largely modify the radiation budget, both in the solar and thermal spectral ranges, and thus play a fundamental role in the Earth's climate state and adjustment to climate forcing. To this end, it is essential to understand the cloud radiative processes and forcing or effects. This Special Issue invites original new contributions on cloud radiative transfer modeling and observations, especially on the role of cloud heterogeneity cloud microphysics variability, and cloudaerosol interactions. Prof. Dr. Andreas Macke

Guest Editor

Prof. Dr. Andreas Macke
Leibniz Institute for Tropospheric Research, Leipzig, Germany

Deadline for manuscript submissions

closed (31 July 2018)



an Open Access Journal by MDPI

Impact Factor 2.3 CiteScore 4.9



mdpi.com/si/12069

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

mdpi.com/journal/atmosphere





an Open Access Journal by MDPI

Impact Factor 2.3 CiteScore 4.9



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

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))

