Special Issue

Tropospheric Ozone Observations

Message from the Guest Editor

Tropospheric ozone (O3) content is one of the most important factors that determine the level of anthropogenic air pollution and the budget of climatically relevant atmospheric gases through series of photochemical reactions. Unlike what observed for passive atmospheric air constituents, the prediction of ozone's behavior is much more complicated, and ozone concentration is highly variable depending on daytime, season, region, pollution, meteorology, atmospheric transport, and circulation. Therefore, qualitative tropospheric ozone observations in different geographical sites are still of great value today to solve numerous scientific and applied tasks related to atmospheric chemistry, climate, ecology, and human health.

This Special Issue is expected to reflect up-to-date scientific views on the role of ozone in atmospheric chemistry and its relation to climate changes and air pollution and to emphasize the critical importance of both in situ and remote observations of ozone and its precursors in the troposphere for a coherent understanding of the present atmospheric impacts of ozone and related transformations.

Guest Editor

Dr. Andrei Skorokhod
A.M. Obukhov Institute of Atmospheric Physics, Russian Academy of Sciences, Moscow, Russia

Deadline for manuscript submissions

closed (30 September 2020)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/40321

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

mdpi.com/journal/atmosphere

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/journal/atmosphere

MDPI

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))