Special Issue

Meteorological and Air Quality Modelling

Message from the Guest Editors

Models are currently the primary components for analysis in most meteorological and air quality assessments and the only tools available for future projections, allowing alternative scenarios to be investigated. Moreover, in contrast to the limitations in the spatial coverage of field measurements, models allow assessments over large regions, even the globe. Despite their advantages, modelling outputs are subject to significant uncertainties due to deficiencies in our knowledge and limitations owed to the various spatial and temporal resolutions involved in the processes. These shortfalls can to some extent be offset by the validations of models with the help of measurements that can be used in a complementary manner, or the development of modelling ensembles that advance our knowledge on the impact of the various alternative parameterizations on the modelling outputs. The Special Issue of *Atmosphere* is oriented towards numerical weather prediction and air quality modelling communities and aims to present a collection of studies that advance our knowledge on all aspects of this field.
Dr. Rafaella Sotiropoulou

Guest Editors

Dr. Rafaella Eleni P. Sotiropoulou
Department of Mechanical Engineering, University of Western Macedonia, Ikaron 3, 501 00 Kozani, Greece

Dr. Efthimios Tagaris
Department of Chemical Engineering, University of Western Macedonia, 501 00 Kozani, Greece

Deadline for manuscript submissions

closed (15 April 2021)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/58984

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

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))

MDPI