atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.9

CITESCORE 4.1

Transport of Natural Aerosol in the Mediterranean Basin

Guest Editors:

Dr. Umberto Rizza
National Research Council of Italy, Institute of Atmospheric Sciences and Climate (CNR-ISAC), 73100 Lecce, Italy

Prof. Dr. Giorgio Passerini
Università Politecnica delle Marche, UNIVPM/DIISM, Ancona, Italy

Deadline for manuscript submissions:
closed (31 May 2019)

Message from the Guest Editors

Although in situ measurements and satellite- and ground-based remote sensing provide important information regarding the aerosol loading and distribution, such measurements are essentially restricted in space and time and, mainly, are limited in their capacity to distinguish between natural and anthropogenic components. In this context, evaluation of aerosol feedbacks on climate by means of numerical simulations is essential for interpreting past climate and for projecting future changes for different emission scenarios. This assessment requires precise representation in global/regional models of the physical and chemical properties of the particles that comprise atmospheric aerosols and the processes that influence those properties. Basic processes that must be represented include: the emission of primary particles, such as desertic dust, sea salt, black and organic carbon; dry and wet deposition, gravitational settling to the surface and all the processes that are dependent on aerosol microphysics.

atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.9

CITESCORE 4.1

Editor-in-Chief

Prof. Dr. Ilias Kavouras
Environmental, Occupational, and Geospatial Health Sciences, CUNY School of Public Health, New York, NY 10027, USA

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, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/atmosphere
atmosphere@mdpi.com
𝕏@Atmosphere_MDPI