atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 4.6

Advanced Technologies in Air Science: Monitoring, Analyzing, Modeling, and Implementation

Guest Editors:

Dr. Lexuan Zhong
University of Alberta, 10-351 DICE, 9211-116 Street NW, Edmonton, AB T6G 1H9, Canada

Dr. Md. Aynul Bari
Department of Environmental and Sustainable Engineering, University at Albany, State University of New York (SUNY), Albany, NY 12222, USA

Deadline for manuscript submissions:
closed (20 October 2021)

Message from the Guest Editors

With technology development and the subsequent air pollution and health effects, ambient air quality has received more attention in the past 20 years from all aspects. In this context, this special issue is initiated to cover the following research aspects:

- Evaluation of new air quality sensors for indoor and outdoor air quality monitoring;
- Characteristics of emerging air pollutants (e.g., PFAS) under various environments;
- Air quality modeling in combination with machine learning;
- Adverse health effects of air pollutants in ambient and built environment;
- Interventions and strategies to reduce health risks of outdoor air pollutant exposures;
- Emerging air cleaning technologies for air pollutant treatment and remediation;
- Advanced ventilation design and operation strategies to improve IAQ;
- Building features and occupant behaviour on IAQ;
- Impacts of COVID-19 pandemic on indoor and outdoor air quality;
- Effective ventilation infection control under the COVID-19 pandemic;
- Future IAQ trends under climate change and energy conservation in buildings.

Manuscripts to address challenging future research for Air Science are invited for submission to this Special Issue.

mdpi.com/si/71638

Special Issue

atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.5

CITESCORE 4.6

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

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, Grosspeteranlage 5
4052 Basel, Switzerland

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

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