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Air Quality, Health and Environmental Impact Assessment

Guest Editors:

Dr. Gabriele Zanini
Department of Sustainability, Italian National Agency for New Technologies, Energy and Sustainable Economic Development, 00196 Rome, Italy

Dr. Ilaria D'Elia
Laboratory of Atmospheric Pollution, ENEA—Air Pollution Laboratory, 00196 Roma, Italy

Deadline for manuscript submissions:
closed (15 November 2022)

Message from the Guest Editors

The aim of this Special Issue is to collate the most recent advances in the study of atmospheric pollution and its impacts. For over two years, the COVID-19 pandemic has strongly focused our attention on the link between pollution and health and encouraged debates regarding the role of air pollution as a booster or carrier of the virus. The climate crisis also raises questions on the increasing trend of pollutant concentrations in the near future and the possible consequences of this on public health and ecosystems.

The Issue is to collect original research on air pollution modeling and measurements, the assessment of impacts on public health and natural environments, and the effectiveness of technological and non-technological solutions to be transformed into policies. We await contributions that focus on the comparison and integrations of models and measurements, the assimilation of satellite data or the use of artificial intelligence techniques. We would be happy to publish studies on the effectiveness of natural solutions as a stable solution to improve air quality and microclimates.

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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!

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Contact Us

Atmosphere Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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atmosphere@mdpi.com
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