

Special Issue

The Formation and Contaminant Interactions of Photochemical Pollution

Message from the Guest Editor

Air pollution, solar radiation and regional climate interact with each other and should be studied together. Anthropogenic and biogenic activities, e.g., the emissions of chemical compounds, anthropogenic and biogenic volatile organic compounds, NO_x and SO₂, influence the physical and chemical processes in the atmosphere. These chemical compounds take part in chemical and photochemical reactions/pollution and produce new compounds in gases, liquids and particles. This Special Issue aims to provide a platform to share space- and ground-based observations and modeling in understanding the above issues and their interactions, including ozone chemistry and photochemistry, associated with AVOCs and BVOCs, NO_x, SO₂, particulate matter and solar radiation. Studies related to the interactions and their potential effects on atmospheric constituents, solar radiation, air movements and regional climate are encouraged.

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2022)



International Journal of Environmental Research and Public Health

an Open Access Journal
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CiteScore 8.5
Indexed in PubMed



mdpi.com/si/85635

*International Journal of
Environmental Research and
Public Health*

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

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