



The Formation and Contaminant Interactions of Photochemical Pollution

Guest Editor:

Prof. Dr. Jianhui Bai

LAGEO, Institute of Atmospheric
Physics, Chinese Academy of
Sciences, Beijing 100029, China

Deadline for manuscript
submissions:

closed (31 October 2022)

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Paul B. Tchounwou

RCMI Center for Urban Health
Disparities Research and
Innovation, Richard Dixon
Research Center, Morgan State
University, 1700 E. Cold Spring
Lane, Baltimore, MD 21251, USA

Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for 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, open access journal.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Public Health, Environmental and Occupational Health)

Contact Us

*International Journal of
Environmental Research and Public
Health* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/ijerph
ijerph@mdpi.com
X@IJERPH_MDPI