

Special Issue

The Impact of Air Pollution on Ecosystem Safety, Human Health, and Sustainable Development

Message from the Guest Editors

Air pollution should be a huge political issue due to its substantial impact on public health. Many studies have estimated significant associations of air pollution with population health damage and economic loss, attracting large international attention. According to the World Health Organization (WHO), ambient air pollution causes eight million global premature deaths every year and approximately 50% of these are mainly due to the intake of PM_{2.5}. To improve healthcare, it is urgent that the nonlinear relationships between premature mortality caused by long-term/short-term exposures to different air pollutants and emissions from multiple sectors are evaluated via the combination of tools, such as the chemical transport model, extended response surface model, concentration–response functions, etc. The health benefits from emission reduction due to optimized control measures in different fields, such as industry, fuel consumption, traffic, daily life, etc., should also be quantified. Related research findings could help policymakers and advocates from public, private, and nonprofit sectors to develop further actions that protect public health.

Guest Editors

Dr. Guofeng Shen

Prof. Dr. Gang Li

Dr. Nan Zhao

Deadline for manuscript submissions

closed (31 July 2024)



International Journal of Environmental Research and Public Health

an Open Access Journal
by MDPI

CiteScore 8.5
Indexed in PubMed



mdpi.com/si/146996

*International Journal of
Environmental Research and
Public Health*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijerph@mdpi.com

[mdpi.com/journal/
ijerph](https://mdpi.com/journal/ijerph)





International Journal of Environmental Research and Public Health

an Open Access Journal
by MDPI

CiteScore 8.5
Indexed in PubMed



[mdpi.com/journal/
ijerph](https://mdpi.com/journal/ijerph)



About the Journal

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

Prof. Dr. Paul B. Tchounwou
RCMI Center for Urban Health Disparities Research and Innovation,
Richard N. Dixon Research Center, Morgan State University, Baltimore,
MD 21251, USA

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, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Public Health, Environmental and Occupational Health)