



Air Pollution: Occupational Exposure and Public Health

Guest Editor:

Dr. Luigi Vimercati

1. Chief Division of Occupational
Medicine, University Hospital
Policlinico of Bari, 70124 Bari,
Italy

2. Head Section of Occupational
Medicine "B.Ramazzini",
Interdisciplinary Department of
Medicine, University of Bari Aldo
Moro, 70124 Bari, Italy

Deadline for manuscript
submissions:

closed (31 August 2022)

Message from the Guest Editor

Dear Colleagues,

The effects on human health due to air pollution exposure are an important global health issue: the increased occurrence of mortality and morbidity, as well as shortened life expectancy, have been related to exposure to ambient air pollution. Particulate matter also increases the risk of respiratory, allergic and oncological diseases in both exposed workers and the general population. Pathogenic pathways are likely related to some of the compounds contained in particulate matter, e.g., PAHs (polycyclic aromatic hydrocarbons), gases (nitrogen oxides, sulphur oxides, ozone), heavy metals (chromium, arsenic, lead, manganese, mercury), asbestos and microorganisms. These pollutants are able to penetrate the lower airways due to their small sizes, where they can cause damage to the bronchial epithelium, inducing inflammation or neoplastic degeneration, or can be carried into the pulmonary blood and spread throughout the body.

This Special Issue aims to showcase the variety and relevance of recent developments in the field of exposure to air pollutants and health effects.





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](https://twitter.com/IJERPH_MDPI)