

## Special Issue

# Oxidative Potential as a New Metric for Evaluating the Health Effects of Air Pollution

### Message from the Guest Editor

We invite you to contribute to a Special Issue of the International Journal of Environmental Research and Public Health (IJERPH) focused on the innovative application of oxidative potential as a novel metric for assessing the health effects of air pollution.

Oxidative potential, a measure of the ability of air pollutants to induce oxidative stress, offers a promising approach to understanding the complex mechanisms underlying the adverse health impacts of air pollution.

We welcome submissions of original research and review articles that address the following topics:

- Studies investigating the relationship between oxidative potential measured in vitro and in vivo biological responses.
- Applications of oxidative potential in toxicological studies, epidemiological investigations, and risk assessment.

By focusing on the health implications of oxidative potential, this Special Issue will contribute to a deeper understanding of the risks associated with air pollution and inform the development of effective mitigation strategies.

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### Guest Editor

Dr. Ian Mudway

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### Deadline for manuscript submissions

30 September 2025



## International Journal of Environmental Research and Public Health

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## 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.

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### Editor-in-Chief

Prof. Dr. Paul B. Tchounwou  
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