



Air Pollution Interventions: Implementation Research and Data Driven Studies

Guest Editor:

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Message from the Guest Editor

According to the 2018 World Health Organization *Air Pollution and Health*, over 4 million annual premature deaths are caused by air pollution (both household and ambient combined). The burden of disease is highest in lower and middle income countries (LMICs). For example, in LMICs 50% of child pneumonia deaths are attributed to air pollution. The sources of air pollution typically include burning biomass for cooking and heating, burning trash, burning agricultural fields, vehicle exhaust, industrial burning including brick kilns, coal-fired power generating plants, and dust. Developing strategies to reduce these sources, including considering alternatives and mitigating the health impacts of low air quality, is crucial to improving air quality. Air quality has been improved in numerous locations, but the solutions to air pollution are contextually specific. Thus, implementation research and strong data analytics are key approaches for improving air quality.





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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

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.

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Health* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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