



Air Pollution and Its Environmental and Health Effects

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Message from the Guest Editors

Epidemiological studies around the world have generally reported associations between air pollutant exposure and mortality and morbidity. For example, high PM_{2.5} concentration can increase the risk of premature death associated with localized ischemic heart disease, stroke, chronic obstructive pulmonary disease, and lung cancer. In 2010, there were more than three million premature deaths associated with PM_{2.5} globally. Active air pollution prevention and control has been carried out in different regions. In fact, the formation of air pollution is complex, involving photochemical reaction. Moreover, air quality in a given location can be substantially affected by atmospheric transport from distant sources, including sources on other countries or even continents. Air pollution prevention and control involves many factors, such as local emission and emission reduction projects, industrial structure and trade exchange, government administrative and economic measures, and individual consciousness and behavior. More and more epidemiological studies show that improving air quality can increase public life expectancy and happiness.





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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.

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