

Special Issue

Air Pollution Meteorology

Message from the Guest Editors

Although air pollution is usually linked with human activities, natural processes may also determine noticeable concentrations of hazardous substances in the low atmosphere. The levels of pollutants may be reduced when emissions can be controlled. However, the impact of meteorological variables on concentrations measured may be marked, and these variables cannot be controlled. This Special Issue is devoted to the influence of meteorological processes on the pollutant concentrations recorded in the low atmosphere. The dilution of pollutants due to the development of the mixing layer or dispersion inhibition by temperature inversions are within the scope of this Issue. Moreover, studies about the influence of wind on concentrations and pollutant transport are welcome. Another research field covered by this Issue is the link between air pollution and precipitation. Coastal and mountain breezes introduce periodic changes whose impact on the air pollution should be quantified. Finally, air quality is markedly influenced by the micrometeorology of urban environments.

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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. 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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