



Fire Emissions: Exposure Data and Potential Health Risks for Firefighting Forces and the General Population

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Message from the Guest Editor

Fires release numerous hazardous pollutants (e.g., particulate matter, carbon monoxide, nitrogen and sulfur dioxides, metals, and hundreds of volatile organic compounds, including polycyclic aromatic hydrocarbons) and may affect the short- and long-term health and quality of life of the general population and of occupationally exposed workers, including firefighters. An increased number of respiratory and cardiovascular emergency admissions have been related to the occurrence of forest fires, thus increasing the healthcare burden of smoked-impacted areas. Firefighting forces also present an increased risk for the development of respiratory and cardiovascular diseases, as well as some cancers, in comparison with the general population.

This Special Issue aims to publish original research and state-of-the-art reviews that address environmental/occupational exposure data to health-relevant pollutants released from (forest, structural, and industrial) fires and the associated health risks on exposed local populations and firefighting forces.





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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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