



Environmental and Occupational Health Aspects Related to Particulate Matter Exposure

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Message from the Guest Editor

PM has been the focus of extensive research for many years and considerable evidence from experimental and epidemiological studies has led to a scientific consensus on the associations between airborne exposure and increased incidence of respiratory and cardiovascular diseases. Occupational exposure to fine particulate matter is at a much higher level compared to ambient air exposure. However, limited evidence of the same association has emerged from occupational settings. Furthermore, it is not yet clear which causative agents present in, e.g., PM₁₀, PM_{2.5}, PM₁ and UFP fractions and underlying their mechanisms are responsible for the adverse health effects.

The Special Issue will provide the opportunity to share new research results in the field of environmental and occupational health, toxicology, exposure assessment, measurement strategies, human risk assessment and particle characterization, all in relation to PM exposure.





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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

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