Special Issue

Metals in Ambient Particles: Sources and Effects on Human Health

Message from the Guest Editor

Over the past two decades, research on ambient particulate matter (PM) has linked adverse health effects to exposure to various components and sources of PM. However, there is still considerable uncertainty on the role of metals in causation vs. association with these health outcomes. This Special Issue aims to address this uncertainty by reporting the current evidence from investigations of health effects associated with specific metal components or different sources of metal PM. We invite authors to submit original and review articles providing insights on health-related effects caused by inhalation of ambient PM containing metals. Toxicological studies that use dosages comparable to human exposure levels will be considered. We are especially interested in articles on environmentally relevant exposure levels and translocation of metals to the organs beyond the respiratory tract.

Guest Editor

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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!

Editor-in-Chief

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