



Air Pollution and Children's Health

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Message from the Guest Editors

Dear Colleagues,

The objective of this Special Issue is to provide a discussion of air quality and children's health. The World Health Organization has suggested that exposure to air pollution is an overlooked health emergency for children around the world. Children are exposed to air pollution both outdoors and indoors and are at greater risk from inhaled pollutants than adults due to their unique activity patterns and behavior, their natural biological defenses being less developed, as well as the fact that they are particularly susceptible during development.

However, the toxicity mechanism, the assessment of the associated risk to children, and the main sources are still far from being understood. Identifying additional toxic air contaminants that might differentially impact children, assessing health risk effectively and tracing the sources, can help to develop new regulations to reduce exposure and mitigate risks in a timely and effective manner.

This Special Issue will consider all "Impacts of Air Pollution on Children's Health".

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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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