# Special Issue

## Influence of Air Pollution on the Cardiovascular System

### Message from the Guest Editor

Air pollutants are recognized as global health hazards. In recent epidemiological studies, it has been increasingly reported that exposure to air pollutants is associated with cardiovascular mortality due to diseases such as stroke, heart failure, and thrombosis. These results suggest that exposure to air pollutants may have strong adverse health impacts on the cardiovascular system. However, the underlying biological mechanisms are still poorly understood. Only a few potential mechanisms have been revealed. One of them is that after entering the human body, air pollutants may attack endothelial and/or epithelial cells, leading to increased system oxidative stress and inflammation, platelet activation, and the alteration of the cell membrane oxidative metabolism. In this Special Issue, we aim to promote the publication of papers that broadly consider the topic of the impacts of exposure to air pollutants on cardiovascular health and the underlying biological mechanism. This topic could be addressed from several different perspectives, including in both epidemiological and toxicological studies.

### Guest Editor

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### Deadline for manuscript submissions

closed (19 January 2024)

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# About the Journal

## 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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