## **Special Issue**

## PM<sub>2.5</sub> and PM<sub>10</sub>: Atmospheric Behaviors and Correlation with Health Effects

## Message from the Guest Editors

Air pollution causes several million deaths each year. Epidemiological studies have shown that air pollution is related to many diseases in both the respiratory and cardiovascular systems, such as lung cancer and asthma, and arrhythmias and myocardial infarction. Air pollution has also been related to adverse birth outcomes, infant mortality, neurodevelopmental disorders, and child obesity. Among pollutants, particulate matter (PM) is considered as one of the most serious air pollutants. Both PM2.5 and PM10 emitted from the combustion of fossil fuels and biomass contain. strong toxic chemicals such as polycyclic aromatic hydrocarbons (PAHs) and their derivatives. The present air pollution levels are above the World Health Organization (WHO)'s guidelines in Africa, Southeast Asia, the Eastern Mediterranean, and the Western Pacific regions. It is important to understand the causes of air pollution in these regions, the exposure risks to humans, and the mechanisms of adverse health effects, not only to predict future air quality, but also to develop suitable countermeasures.

## **Guest Editors**

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## Deadline for manuscript submissions

closed (31 August 2022)



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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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