

Special Issue

Innovative Materials and Techniques for Air Particulate Matter Reduction

Message from the Guest Editors

Airborne particulate matter (PM) is a critical issue for the environment and human health. The potentially adverse health effects due to PM inhalation can be related not only to particle size, but also to their physico-chemical characteristics, which vary significantly in urban, industrial and rural areas. With the introduction of smart cities concept, suitable measures to reduce people exposure to pollutants must be part of the policies for a suitable urban development. Generally urban policy makers have proposed some restrictions (for example for traffic), that were insufficient. Then, different approaches may be considered to minimize the PM exposure and health risks.

This special issue aims to collect different papers or review articles about innovative materials and techniques to improve the air quality of urban environment.

Keywords:

PM pollution reduction;
sustainable materials;
porous materials;
innovative techniques;
recycle of waste;
waste minimization;
improve air quality

Guest Editors

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Message from the Editor-in-Chief

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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