Special Issue

Filtration and Removal of Air Particles

Message from the Guest Editor

Particulate matter has a significant impact on human health. With advancing technology, new threats from airborne particles continue to emerge. To ensure a cleaner and greener indoor environment, novel strategies are needed to mitigate the impact of airborne particles while minimizing energy consumption. These strategies may include the use of electrical fields, acoustic techniques, or innovative materials such as nanofiber media. Achieving advancements in air filtration requires multidisciplinary collaboration. This Special Issue will encourage and showcase the latest developments in novel air filtration methods for particle removal. Both theoretical and practical contributions are welcome, including laboratory experiments, computer simulations, theoretical analyses, and on-site tests related to air purification.

Guest Editor

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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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