

Special Issue

Research on Indoor Air Cleaners for Particulate, Microbiological and Gaseous Pollutants

Message from the Guest Editor

Although there has been already a lot of research on air cleaners, there are still many open questions: How can air cleaners be further optimized in terms of cleaning efficacy, power consumption, and noise emissions? How can the long-term stability be determined and increased? How is the distribution of the cleaned air in a room affected by its geometry, furnishing, and occupancy? Can potential health benefits be tested with bioaerosols or demonstrated in toxicological or epidemiological studies? Scientific answers to these and further questions will not at least deliver input for the current standardization project for indoor air cleaners of the International Electrotechnical Commission (IEC). Contributions from all applicable fields are welcome, whether they deal with technical aspects of the devices and filters, new measurement techniques or methods for assessing the efficacy, observations or simulations in real environments, or studies on the health effects of indoor air cleaners.

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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