Special Issue

Indoor Air Pollution Monitoring: Multi-Pollutant Exposure and Risk Assessment

Message from the Guest Editors

Indoor air pollution has become an increasingly pressing concern due to its substantial impact on human health and well-being. Unlike outdoor pollution, indoor environments trap a complex mixture of pollutants, including particulate matter (PM), volatile organic compounds (VOCs), carbon dioxide (CO_2), nitrogen oxides (NO□), formaldehyde, bioaerosols, and even emerging pollutants. Understanding the sources, distribution, and health effects of these pollutants is essential for developing effective mitigation strategies. This Special Issue aims to bring together cutting-edge research on the monitoring, exposure assessment, and health risk analysis of indoor air pollutants. We invite contributions that explore precise exposure assessments by integrating measurement technology, data analytics, and health outcomes. Studies focusing on source apportionment and regulatory frameworks are also encouraged. Special attention will be given to interdisciplinary approaches that integrate environmental science, public health, and engineering solutions.

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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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