Topical Collection

Measurement of Exposure to Air Pollution

Message from the Collection Editor

A significant advancement in characterizing the exposures to pollutants can be achieved only considering a multidisciplinary approach involving techniques, methods, and know-how of air quality experts, metrologists, epidemiologists, engineers, chemists, and physicists. This is the purpose of the Topical Collection “Measurement of Exposure to Air Pollution” that welcomes researches considering all the different aspects related to the exposure assessment. In particular, the issue will involve, but it is not limited to, studies (a) evaluating the exposure to different pollutants in particular microenvironments (both indoor and outdoor), (b) investigating the effectiveness of technical solutions to reduce the exposure, (c) modelling the dynamics of the different pollutants to predict the exposure, (d) highlighting the effect of the instrument metrological performance on a proper evaluation of the exposure, (e) characterizing the emission of sources not yet examined, (f) proposing new exposure assessment methods and approaches.

Collection 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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