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Indoor Air Quality: From Sampling to Risk Assessment in the Light of New Legislations

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Message from the Collection Editors

Indoor Air Quality (IAQ) is an important issue rising during these last two decades. First, the studies were aimed to avalutate the risk in the industrial areas but now the attention is focused on the IAQ evaluation in residential and non residential buildings. Sensitive sub-population, i.e. elderlies, children, pregnant women, may be affected by diseases caused by exposire to old/new indoor pollutants. Particular attention should be given to new compounds because in many cases their health effects are still unknown. Starting from these considerations some new regulations/guidelines have been set up since few years: such regulations are different worldwide as well as the compounds regulated.

This Special Issue would like to deep the IAQ evaluation in the light of the new legislations worldwide. Contributions related to new instruments for studying airborne and gaseous pollutants, new sampling and analysis methodologies, are wellcome as well as the modeling of the pollutant behavior in indoor and in buildings or the study of the effects of new pollutants on the biological systems are examples of topics of interest in this Special Issue.

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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!

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