



Diagnostic/Monitoring Tools for the Screening of Air/Environment Quality Effects on Human, Animal, and Plant Health

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Message from the Guest Editors

Dear Colleagues,

We are continuously witnessing the effects of air quality on human health as the greatest threat that can compromise the quality of life of generations to come. We are continuously being exposed to a range of pollutants and contaminants, e.g., nanoparticulate matter, volatile organic compounds, microorganisms, which pose serious acute and/or chronic risks to living matter. With this Special Issue, we aim to publish a number of interesting contributions addressing the diagnostic and/or monitoring tools that are becoming available to assess the quality of air and its effects on human, animal, and plant health. Both original and review articles discussing the impact of surrounding indoor and outdoor air quality, which concerns not only dispersion and invasion of microorganisms and aeroallergenes (e.g., molds, pollen), particulate matter (e.g., dust, airborne sand, wildfire smoke, debris), and climate and weather changes, but also globalization, and how these elements can be traced and monitored, are most welcome. Ethics issues and risk assessment are also expected to be covered.





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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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