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Application of Low Cost Sensors in Air Pollutants and Greenhouse Gases Emissions Monitoring

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Society faces major environmental challenges with the need to develop coordinated environmental policies at the level of territories as well as nations to limit the impact of air pollutants and greenhouse gases emissions on air-quality degradation and climate change. The next generation of environmental policies may target the specific air pollutant or greenhouse gas of concern, the emission source, or the region facing the highest impacts.

Researchers and technology developers are encouraged to contribute to this Special Issue and present the latest advances in the application of low-cost sensors to the monitoring of atmospheric pollutants (gases, volatile organic compounds, and particulate matter) and greenhouse gases at the sites where they are produced.

Priority will be given to studies that show novel or improved technologies and solutions for the measurement and monitoring of ambient air (low-cost air sensors, devices, systems, and wireless networks), as well as for quality control of low-cost sensor data and information for decision making by end users.

Dr. Esther Hontañón
Guest Editor

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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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