



Air Quality Characterisation and Modelling

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Message from the Guest Editors

Dear Colleagues,

Air pollution is a mixture of particles and gases, which can reach unsafe concentrations for human health, the environment, vegetation and materials. It has become one of the main sustainability issues and a concerning topic in atmospheric science. The combination of fast-growing populations, transport, fossil fuels, and biomass burning is leading to pollution levels being especially high in some urban areas. Agriculture and natural phenomena are also an important source of pollution. The monitoring and understanding of the temporal and spatial behaviours of air pollutant concentrations are essential for both the implementation of air quality policies and the definition of effective measures to mitigate air pollution and its effects. Quantifying and monitoring exposure to air pollution in terms of public health is also a critical component in policy discussion.

This Special Issue will present recent research activities concerning the characterization of air pollution and the applied modelling approaches.

Dr. José Carlos Magalhães Pires
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Guest Editors





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