Special Issue

Atmospheric Aerosols: Characterization and Health Impact

Message from the Guest Editor

Atmospheric aerosols are subject to various processes that affect their concentration, distribution, chemical and physical properties. Source emissions and transport phenomena involve physical and chemical processes that directly affect the life cycle of aerosols in the atmosphere. Consequently, the characterization of the atmospheric aerosol provides relevant information on the potential negative impact that it could cause on human beings. This Special Issue aims to present the most recent and outstanding results on the characterization, source emissions, transport, and consequently, the spatial distribution that atmospheric aerosols undergo during their life cycle, as well as their impact on the environment and human health. Topics of interest for this issue include, but are not limited to: - The study of aerosol formation, transport and deposition processes. - The physical and chemical characterization of aerosols and their relationship with transformation processes. - The impact of atmospheric aerosols on health, climate and ecosystems. Original research results related to the characterization and health impact of aerosols are welcome contributions.

Guest 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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