Special Issue

New Insights into Ambient Air Pollution and Human Health

Message from the Guest Editor

This Special Issue invites the scientific community to address the following questions and topics:

- How do different pollutants affect human health? Interactions between pollutants, hypotheses of disease development, impact to physiological – biochemical mechanisms of disease development.
- How do demographics (age, gender, socio-economic status) influence the susceptibility and vulnerability to air pollution-related health issues?
- Case studies across diverse regions to understand the varied impact of air pollution on different communities.

This Special Issue aims to advance the understanding of the complex relationship between ambient air pollution and health by providing new research hypotheses and evidence-based insights to health professionals, policy makers and urban planners. A new approach to the problem of air pollution and health reveals the interactions between pollutants, including wider groups of diseases and new hypotheses of their development. Evidence-based research, large-scale epidemiological studies, physiological-biochemical mechanisms, genomic discoveries, and gene-environment interaction are the basis of modern science.

Guest Editor

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Deadline for manuscript submissions

31 August 2025

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/192539

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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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