

Special Issue

Climate Change, Air Pollution and Human Health: Past, Present and Future

Message from the Guest Editors

Climate change and air pollution are closely interconnected environmental issues that have significant implications for human health. The sources and impacts of air pollution contribute to climate change, and both phenomena can have direct and indirect effects on the well-being of individuals and communities. Inhalation of pollutants can lead to respiratory problems and aggravating conditions such as asthma and bronchitis, and long-term exposure is linked to heart disease and strokes. Certain air pollutants, such as benzene and formaldehyde, are carcinogenic. The effects of climate change, such as heatwaves, can pose health risks, especially for vulnerable populations. Increased frequency and intensity of storms, floods, and droughts can affect health infrastructure and lead to injuries and diseases. Changes in climate patterns can impact the distribution of disease-carrying vectors, such as mosquitoes and ticks. This Special Issue aims to showcase novel results on the direct and indirect associations between climate change, air pollution, and various aspects of human health.

Guest Editors

Dr. Vidmantas Vaičiulis

1. Department of Environmental and Occupational Medicine, Lithuanian University of Health Sciences, LT-47181 Kaunas, Lithuania
2. Health Research Institute, Lithuanian University of Health Sciences, LT-47181 Kaunas, Lithuania

Prof. Dr. Jonė Vencloviėnė

Faculty of Natural Sciences, Department of Environmental Sciences, Vytautas Magnus University, LT-44191 Kaunas, Lithuania

Deadline for manuscript submissions

closed (14 February 2025)



Atmosphere

an Open Access Journal
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Impact Factor 2.3
CiteScore 4.9



mdpi.com/si/193642

Atmosphere
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
atmosphere@mdpi.com

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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

Dr. Daniele Contini

Institute of Atmospheric Sciences and Climate (ISAC), National Research Council (CNR), Str. Prv. Lecce-Monteroni km 1.2, 73100 Lecce, Italy

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