

Special Issue

Health and Environmental Effects of Particulate Matter

Message from the Guest Editors

Air pollution has become a global public concern both for human health and environmental effects. Several epidemiological and toxicological studies have strongly demonstrated the adverse effects of particulate matter exposure on human health including asthma, respiratory symptoms, impaired lung function, total mortality, and cardiovascular mortality. Recent studies have reported critical health effects relating to poor indoor and outdoor air quality, such as the relationship described in some latest reports between PM exposure and 2019 Coronavirus (COVID-19) infection. Contextually, the atmospheric particles and in particular their chemical composition can have harmful effects on the environment such as lakes and streams acidification, damage to forests and farm crops, and affect the diversity of ecosystems. In light of the above considerations, this Special Issue comes into this context and invites submissions of novel and original papers and reviews on ambient air pollution, including, but not limited to, studies concerning indoor and outdoor ambient air PM_x pollution and its harmful effects on public health as well as the environment.

Guest Editors

Dr. Rosa Caggiano

Institute of Methodologies for Environmental Analysis (IMAA), National Research Council (CNR), 85050 Tito Scalo, Italy

Dr. Antonio Speranza

Institute of Methodologies for Environmental Analysis (IMAA), National Research Council (CNR), 85050 Tito Scalo, Italy

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

[mdpi.com/journal/
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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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