Special Issue

Advances in Source Tracing and the Control of Ozone and Its Precursors

Message from the Guest Editors

Air pollution control is an ongoing subject of concern regarding human health, especially regional O3 pollution, which arises as a secondary consequence of VOCs and NOx as precursors. The accurate source tracing of O3 and its precursors is fundamental for effective air quality management and control strategies, while efficient disposal techniques are crucial for reducing emission quantities. Therefore, the focus of this Special Issue is on the mechanisms of O3 formation, the source tracing of O3 and its precursors, the disposal of VOCs and NOx pollution, and carbon capture, as well as advanced studies on emission inventory, source profiles, and carbon emission accounting in industrial parks or sectors. The aim of this Special Issue is to present the most recent research on the advancements, challenges, and prospects in the cooperative control of air pollution and carbon emissions.

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Deadline for manuscript submissions

closed (20 March 2025)

Atmosphere

an Open Access Journal by MDPI

Impact Factor 2.3
CiteScore 4.9

mdpi.com/si/185515

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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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