

Special Issue

Emissions of Volatile Organic Compounds (VOCs): Characterization, Environmental Impacts and Control

Message from the Guest Editors

Volatile organic compounds (VOCs) are a significant source of air pollution and important precursors of ozone (O₃) and fine particulate matter (PM_{2.5}), posing a serious threat to air quality and human health. These aspects can be summarized as follows: (1)

Characterization and Monitoring of VOC Emissions;

(2) Spatiotemporal Variation Characteristics and Impacts;

(3) Environmental Impacts and Health Risks;

(4) VOC Emission Control Technologies;

(5) Policies and Regulations;

(6) Economic and Cost-Benefit Analysis;

(7) Future Trends and Innovation. This Special Issue welcomes the submission of cross-cutting, multi-disciplinary research in the above areas and supports a wide range of basic theories, methodologies, and technical methods, including experimental, numerical calculations, observational, monitoring and management research, and policy analysis. In addition to fundamental and applied papers, review articles on important developments, challenges, and new perspectives will also be considered.

Guest Editors

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Deadline for manuscript submissions

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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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