

Special Issue

Emission and Exposure Assessment of Volatile Organic Compounds

Message from the Guest Editors

The issue will examine volatile organic compounds (VOCs) emission mechanisms, environmental dispersion, and advanced measurement techniques for both indoor and outdoor environments. Key topics include the identification of major VOC sources, emission rates, and the influence of environmental factors such as temperature, humidity, and atmospheric chemistry. Human exposure pathways will be analyzed, along with health risks, particularly for vulnerable populations like children, the elderly, and individuals with respiratory conditions. The issue will also explore emerging technologies for VOC emission control and advancements in exposure assessment methodologies. Building on prior research that links VOCs to air quality degradation and health risks, this issue will address gaps in emission quantification, source apportionment, and exposure modelling. Additionally, it will highlight advancements in real-time monitoring, sensors, and remote sensing technologies. By integrating insights from environmental science, public health, toxicology, and engineering, this Special Issue aims to provide scientific and policy-relevant perspectives on VOC challenges

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

Editor-in-Chief

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