

Special Issue

Aerosol Pollution from Biomass Burning

Message from the Guest Editor

Biomass burning is the dominant source of carbonaceous aerosol, affecting regional air quality and global climate, and thus directly and indirectly impacting human health. Large amounts of aerosol particles and gaseous pollutants are emitted into the atmosphere, which can be transported thousands of kilometers away from the source areas, while undergoing chemical and physical transformations. Consequently, physico-chemical and toxicological characteristics of biomass burning aerosols are complex and highly variable. This Special Issue, therefore, aims to disseminate the latest research findings from either field or modeling studies, investigating the inherent properties of smoke emissions from different types of biomasses burning. Authors are invited to submit manuscripts reporting results from ambient air measurements, controlled combustion experiments, as well as targeted health effects studies. Ultimately, we hope to convey with this Special Issue a better understanding of the chemical, physical and toxicological properties of aerosol emissions from biomass burning processes to scientists across various disciplines.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2024)



Toxics

an Open Access Journal
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Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed



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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).