

Special Issue

Aerosol Exposure and Inhalation Toxicity from Emerging Sources

Message from the Guest Editors

In today's fast-changing world, emission sources of airborne particles in the environment have evolved alongside emerging technologies or scenarios, such as nanomaterial applications and advanced manufacturing. Exposure to particulates can lead to serious adverse health effects for those that inhale them. It is critical to understand the chemical, physical, and biological aspects of particles from these new sources, as well as to assess respiratory deposition, oxidative stress, inflammation, and other cellular and systematic toxicity effects after inhalation. This Special Issue aims to attract articles of a high academic standard with an emphasis on emission characterization and/or toxicological studies of aerosols from the following emerging sources:

- Nanomaterial manufacturing and handling.
- Electronic cigarettes, hookah, and other non-combustion tobacco products.
- Processes that involve the emission of respirable crystalline silica.
- Consumer and commercial grade 3D printing, laser cutting, etc.
- Other types of advanced manufacturing, especially with metals.

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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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2025).