

## Special Issue

# Antibiotics and Resistance Genes in Environment

### Message from the Guest Editors

This Special Issue will focus on highlighting timely research studies addressing antibiotics and resistance genes in the environment. Authors are invited and welcome to submit original research papers, reviews, and short communications. Topics may include, but are not limited, to the following: (1) Studies on the occurrence, distribution, and persistence of antibiotics and resistance genes in various environmental matrices (e.g., water, soil, sediment, air);

(2) Investigation of the sources and pathways of antibiotic and resistance gene contamination in the environment;

(3) Development and application of novel detection methods for antibiotics and resistance genes;

(4) Assessment of the ecological and human health risks associated with antibiotic and resistance gene pollution;

(5) Evaluation of the effectiveness of mitigation strategies for reducing antibiotic and resistance gene levels in the environment;

(6) Insights into the mechanisms of antibiotic resistance development and spread in environmental settings;

(7) Studies on the interaction between antibiotics, resistance genes, and microbial communities in the environment.

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### Guest Editors

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### Deadline for manuscript submissions

30 September 2025



## Toxics

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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.

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### 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).