

Special Issue

Sustainable Technologies for Wastewater Treatment and Resource Recovery

Message from the Guest Editors

In the face of emerging contaminants, sustainable wastewater treatment and resource recovery have become vital components in building environmental resilience and moving towards a circular economy. Implementing management strategies not only optimizes resource utilization but also safeguards long-term environmental health and economic prosperity. This Special Issue focuses on addressing the challenges posed by emerging contaminants and highlights innovative research, methodologies, and solutions. We welcome high-quality original research articles, short communications, and reviews on topics including, but not limited to, the following:

- Bioenergy production from wastewater;
- Nutrient and metal recovery from wastewater;
- Membrane technologies for resource separation and contaminant removal;
- Advanced processes for resource extraction and contaminant mitigation;
- Nutrient recovery from wasted activated sludge;
- Sustainable application for wasted activated sludge.

Your contributions will help enrich our understanding, drive sustainable initiatives, and shape the future of wastewater treatment and resource recovery. We look forward to your submissions.

Guest Editors

Dr. Boyan Xu
Prof. Dr. Xueqing Shi
Dr. Han Zhang

Deadline for manuscript submissions

closed (31 January 2026)



Toxics

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Impact Factor 4.1
CiteScore 6.4
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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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Author Benefits

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Journal Rank:

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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).