

Special Issue

Biomass Conversion and Organic Waste Utilization in Wastewater

Message from the Guest Editors

We invite you to contribute to this Special Issue, where we will publish papers discussing new techniques and methods for biomass conversion and organic waste utilization in wastewater areas, as well as new discoveries about the mechanisms and means of controlling of this process. It is crucial to shift from end-of-pipe approaches to integrated resource recovery. The management of high-concentration organic wastewater is a significant global issue, and its mishandling will lead to substantial environmental problems. However, this type of wastewater also has considerable potential within the circular economy, as it can extract various scarce resources such as water, energy, biofuels, fertilizers, and biopolymers. It is important to note that most current research primarily focuses on improving the removal efficiency of pollutants in high-concentration organic wastewater treatment, neglecting resource recovery. Therefore, wastewater treatment should prioritize the development of technologies that not only ensure adequate treatment of high-concentration organic wastewater but also enable resource recovery throughout the treatment process.

Guest Editors

Dr. Tingting Zhu
Dr. Zisheng Zhao
Dr. Lihui Yang

Deadline for manuscript submissions

closed (31 December 2025)



Toxics

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/206649

Toxics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
toxics@mdpi.com

[mdpi.com/journal/
toxics](https://mdpi.com/journal/toxics)





Toxics

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed



[mdpi.com/journal/
toxics](https://mdpi.com/journal/toxics)



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

Dr. Demetrio Raldúa
Department Environmental Chemistry, IDAEA-CSIC, Jordi Girona 18,
08034 Barcelona, Spain

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Toxicology) / CiteScore - Q1 (Chemical Health and Safety)

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).