Special Issue

Advanced Technologies to Remove Toxic Compounds in Wastewater

Message from the Guest Editor

Wastewater contains numerous pollutants that typically cannot be removed by conventional treatment methods. This is intensified by the fact that continuous and prolonged discharges often take place, producing chronic toxicity. The toxicity of wastewater is due to the presence of both the macro-contaminants—namely the high content of dissolved organic matter or the nitrogen pollution—and micro-pollutants—such as heavy metals, micro and nano-plastics and emerging contaminants. The complex chemical composition of wastewater necessitates the implementation of combined and new technologies to achieve efficient removal of their toxicity and the development of a valuable toxicity assessment index. The aim of this Special Issue is to provide updated and specialized information about the efficacy of advanced technologies which are valuable in the removal of wastewater toxicity to upgrade the efficiency of conventional wastewater treatments. It is hoped that this Special Issue will encourage the establishment of discussion forums to analyze in depth the importance of pollutants and optimal means of achieving high-quality water for reuse.

Guest Editor

Prof. Dr. Conceptión Calvo
Department of Microbiology, Institute of Water Research, University of Granada, Ramón y Cajal, 4, 18071 Granada, Spain

Deadline for manuscript submissions

closed (31 March 2022)

Toxics

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/72990

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

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

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 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).