Special Issue

The Transformation Mechanism and Environmental Effects of Emerging Pollutants

Message from the Guest Editors

Various emerging pollutants may cause great harms to organisms and even humans, great efforts have been devoted to removing these pollutants from the environment. Given this, evaluating the transformations of these pollutants during various treatment processes, including the exploration of reaction kinetics and mechanisms, the identification of intermediate products, and the toxicity assessment of reaction solutions, is a hot research topic that is becoming one of the frontier fields of environmental chemistry. This Special Issue aims to: 1) Propose the transformation mechanisms of pollutants with experimental measurements based on modern analytical techniques and molecular-structure-based theoretical calculations. Especially, researchers are encouraged to conduct combined theoretical and experimental studies for the explanation of experimental phenomena and degradation mechanisms. 2) Reveal the underlying molecular mechanism for the activity of toxic substances and predict the properties of structurally similar compounds with quantitative structure–activity relationship (QSAR) models obtained through the comprehensive study of a certain series of compounds.

Guest Editors

Dr. Ruijuan Qu
School of Environment, Nanjing University, Nanjing 210093, China

Prof. Dr. Zunyao Wang
School of Environment, Nanjing University, Nanjing, China

Deadline for manuscript submissions

closed (31 August 2022)

Toxics

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/90625

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

MDPI

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).