



*toxics*



an Open Access Journal by MDPI

## Human Exposure to Emerging Contaminants Associated with E-waste Dismantling: Environmental Processes, Human Exposure and Environmental Management

Guest Editors:

**Prof. Dr. Tao Zhang**

**Dr. Yanhong Zeng**

**Dr. Zhi-peng Cheng**

**Dr. Bo Zhang**

Deadline for manuscript  
submissions:

**15 July 2024**

### Message from the Guest Editors

E-waste can be defined as any “discarded electrical or electronic devices”. Although E-waste dismantling recovers valuable materials, hazardous contaminants originating from such processes also contaminate ecosystems, further cause high exposure levels, and lead to multiple adverse health outcomes to workers or residents living in the vicinity of disposal areas. Rapid innovation in the electronics industry has resulted in a fast-growing surge of emerging contaminants. Yet, there is still enough room for research in environmental risk assessment, management, and remediation actions of contaminants associated with e-waste, as well as the magnitude of human exposure.

This Special Issue calls for submissions of innovative and original propositions for articles about current problems regarding emerging contaminants originated from e-waste dismantling activities. We are pleased to invite original works that may contribute to (1) methodology to characterize emerging contaminants; (2) environmental distribution, bioaccumulation, transfer, and ecological impacts; (3) human exposure, epidemiology, and toxicological impacts; and (4) strategy for their management.



[mdpi.com/si/174610](https://mdpi.com/si/174610)

# Special Issue



*toxics*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Dr. Demetrio Raldúa**

Department Environmental  
Chemistry, IDAEA-CSIC, Jordi  
Girona 18, 08034 Barcelona,  
Spain

## 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.

## Author Benefits

**Open Access:** free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [Embase](#), [CAPus / SciFinder](#), [AGRIS](#), and [other databases](#).

**Journal Rank:** JCR - Q1 (*Toxicology*) / CiteScore - Q2 (*Chemical Health and Safety*)

## Contact Us

---

*Toxics* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/toxics](http://mdpi.com/journal/toxics)  
[toxics@mdpi.com](mailto:toxics@mdpi.com)  
X@Toxics\_MDPI