

Special Issue

Current Research on the Cytotoxicity of Drugs to Humans and Animals

Message from the Guest Editor

Research on the prevention and treatment of several chronic diseases is constantly growing worldwide. In recent years, there has been a rapid increase in the design and development of new drugs for human and animal use. In order to ensure the highest standards of treatment, in vitro cytotoxic assays and in vivo toxicological studies are required to ensure the safety of a drug formulation. The chronic use of drugs with immunosuppressive and cytotoxic effects may break down organs such as kidneys, stomach, liver, and intestines, causing side effects that are sometimes life-threatening. Furthermore, antineoplastic drugs (known for their cytotoxic activity) from different sources and with different mechanisms of action are commonly used in large doses. This Special Issue aims to cover the current research in human and veterinary medicine focused on the cytotoxicity of drugs, and expects to receive contributions describing the recent advances and technological challenges encountered in new approaches to reduce adverse side effects of such drugs. Research and review papers on the safe use of drugs, and the potential risk of side effects in humans and animals, are also welcome.

Guest Editor

Dr. Aleksandra Zielinska

Institute of Human Genetics, Polish Academy of Sciences,
Strzeszyńska 32, 60-479 Poznań, Poland

Deadline for manuscript submissions

closed (31 December 2021)



Toxics

an Open Access Journal
by MDPI

Impact Factor 3.9
CiteScore 4.5
Indexed in PubMed



mdpi.com/si/60508

Toxics

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 3.9
CiteScore 4.5
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 - Q2 (Chemical Health and Safety)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.6 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).