

## Special Issue

# Evaluating DNA Damage and Toxicological Effects

### Message from the Guest Editors

The human genome is constantly challenged by endogenous and exogenous electrophiles that form potentially toxic and mutagenic DNA adducts. This Special Issue will discuss the role of DNA damage in aging and cancer, focusing on adduct structures, detection methods, and their biological and toxicological outcomes. We will review DNA lesions generated from endogenous reactive species and exogenous damaging agents, including environmental toxins and chemotherapeutic drugs. For detection methods, we will cover various techniques including LC-MS, antibody-based methods, and NMR. For biological outcomes of DNA adducts, we will consider toxicological effects, chemical reactivity, mutagenicity, and toxicity. We will also discuss DNA repair mechanisms. Overall, this Special Issue will review the latest advancements in DNA adducts and their toxicological effects.

### Guest Editors

Prof. Dr. Natalia Tretyakova

Department of Medicinal Chemistry, University of Minnesota Twin Cities, Minneapolis, MN 55455, USA

Dr. Deyu Li

Department of Biomedical and Pharmaceutical Sciences, College of Pharmacy, University of Rhode Island, Kingston, RI 02881, USA

### Deadline for manuscript submissions

10 February 2026



## Toxics

an Open Access Journal  
by MDPI

Impact Factor 4.1  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/si/235328](https://mdpi.com/si/235328)

*Toxics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[toxics@mdpi.com](mailto:toxics@mdpi.com)

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

[toxics](https://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 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).