

## Special Issue

# Nephrotoxicity Induced by Drugs and Chemicals in the Environment

### Message from the Guest Editors

The kidney is an organ with multiple functions. Kidneys are important for maintaining water and electrolyte balance and the excretion of endogenous and exogenous compounds, and also perform multiple essential endocrine functions. Unfortunately, the kidney is the target for toxicity induced by a wide range of chemicals or their metabolites. Being a rapidly perfused organ, the kidney is exposed to significant amounts of blood-borne toxicants, which can induce toxicity to the kidney through many different mechanisms. Identifying potential nephrotoxic chemicals and understanding safe and nephrotoxic levels of those chemicals, their mechanisms of toxicity, and potential measures to reduce their toxic effects is critical to reducing the harmful effects of these agents on renal function in humans and other organisms. This Special Issue will provide recent advances in understanding the nephrotoxic properties and mechanisms of toxicity induced by drugs and non-therapeutic chemicals (environmental pollutants and natural products).

---

### Guest Editors

Prof. Dr. Gary O. Rankin

Department of Pharmacology, Physiology and Toxicology, Joan C. Edwards School of Medicine, Marshall University, One John Marshall Drive, Huntington, WV 25755, USA

Prof. Dr. Monica Valentovic

Department of Biomedical Sciences, Joan C. Edwards School of Medicine, Marshall University, Huntington, WV 25755, USA

---

### Deadline for manuscript submissions

closed (25 July 2025)



## Toxics

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.1  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/si/193092](https://mdpi.com/si/193092)

*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/  
toxics](https://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](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 17.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2025).