

Special Issue

Uremic Metabolites

Message from the Guest Editor

A major function of the kidneys is to rid the body of waste materials that are either ingested or produced endogenously by normal metabolism. Impaired kidney function leads to the retention of waste products, termed uremic toxins, which can be harmful/toxic to numerous tissues/organs. Several uremic toxins have been strongly linked to cardiovascular and all-cause mortality in patients with renal insufficiency. Studies have also demonstrated pathological effects of these uremic toxins in numerous cell and tissue types. Despite what has been discovered, there is still very little known about the numerous mechanisms linking uremia to the pathogenesis of disease. Further to this, advancements in metabolomics technology have pushed the field to the precipice of identifying new uremic toxins with deleterious effects. This Special Issue will focus on publishing and highlighting original research articles and reviews on uremic toxicity, including their harmful effects in cells, tissue, animals, and patients, as well as cellular mechanisms of pathogenesis and novel therapeutics to ameliorate the effects of uremic toxins. Sincerely,

Guest Editor

Dr. Terence Ryan

Department of Applied Physiology & Kinesiology, University of Florida, Gainesville, FL 32611, USA

Deadline for manuscript submissions

closed (30 November 2021)



Toxins

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/70830

Toxins
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
toxins@mdpi.com

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





Toxins

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 8.2
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Toxinology is an incredibly diverse area of study, ranging from field surveys of environmental toxins to the study of toxin action at the molecular level. The editorial board and staff of *Toxins* are dedicated to providing a timely, peer-reviewed outlet for exciting, innovative primary research articles and concise, informative reviews from investigators in the myriad of disciplines contributing to our knowledge on toxins. We are committed to meeting the needs of the toxin research community by offering useful and timely reviews of all manuscripts submitted. Please consider *Toxins* when submitting your work for publication.

Editor-in-Chief

Prof. Dr. Jay Fox

Department of Microbiology, University of Virginia, Charlottesville, VA,
USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Toxicology) / CiteScore - Q1 (Toxicology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.4 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2025).