

# Topical Collection

## Toxicity of Natural Alkaloids

### Message from the Collection Editor

Poisonous plants, and the toxins they produce, result in major economic losses to livestock industries throughout the world. Several of these plants are also toxic to humans. The toxic components of many of the more problematic poisonous plants are alkaloids. There are numerous classes of alkaloids, grouped by chemical structure, including pyrrolizidine, piperidine, pyridine, indole, quinolizidine, indolizidine, diterpenoid, tropane, and steroidal alkaloids. In this Special Issue, various aspects of the toxicity of numerous alkaloids from plants will be discussed. This Special Issue welcomes contributions of both reviews and original research on the toxicity of natural alkaloids, especially alkaloids produced by plants.

---

### Collection Editor

Dr. Kevin Welch

USDA/ARS, Poisonous Plant Research Lab, 1150 East 1400 North  
Logan, Utah 84341, USA

---



## Toxins

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.0  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/4797](https://mdpi.com/si/4797)

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