

Special Issue

Eco-Toxins: Exploring Biological, Ecological and Environmental Impacts

Message from the Guest Editors

In natural ecosystems, plants and microbes engage in complex interactions, yielding a diverse array of specialized (secondary) metabolites, including toxins, which exert significant influence on ecological dynamics. As stewards of our environment, it is essential to understand the ecological and environmental impacts of toxins. This Special Issue aims to explore the different aspects of toxins, encompassing not only the examination of their chemical structures and biological functions but also their ecological roles and environmental effects. By adopting an interdisciplinary approach that combines insights from chemistry and ecotoxicology, the objective is to clarify the complex contributions of toxins to ecosystem dynamics and biodiversity. We welcome contributions that shed light on the isolation and characterization of novel toxins, as well as those that elucidate their ecological importance and environmental consequences. Additionally, we encourage studies that investigate the interactions between toxins and ecological processes, facilitating a holistic comprehension of their roles in natural systems.

Guest Editors

Dr. Marco Masi

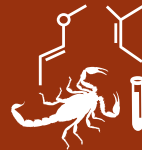
Department of Chemical Sciences, University of Naples Federico II, Naples, Italy

Dr. Antonietta Siciliano

Department of Biology, University of Naples Federico II, 80126 Naples, Italy

Deadline for manuscript submissions

closed (30 April 2025)



Toxins

an Open Access Journal
by MDPI

Impact Factor 4.0
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/197928

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 19.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).