Special Issue

Advanced Research on Cyanotoxins: Toxic Mechanisms, Toxicological Effects, and Analytical Aspects

Message from the Guest Editors

Due to global climate change, anthropogenic activities and/or the increase in nutrient loads, the occurrence of harmful algal blooms (HABs) in waterbodies is increasing worldwide. They require attention due to the production of cyanotoxins, toxic secondary metabolites that are released to the water. This Special Issue aims to gather new studies or review articles related to different aspects of cyanobacteria and cyanotoxins, such as their mechanisms of toxicity, the toxicological effects that they exert at different levels, both in vitro and in vivo, and studies of other new bioactive compounds from cyanobacteria. We are also interested in the effects of combined toxins and their combinations with other contaminants. Special interest is given to the validation of robust analytical methods for the determination of cyanotoxins in different matrices (water, food, soil, and biological samples), and in vitro and in vivo studies to determine the mechanisms involved in its toxicity, clarifying its toxicological profile. All contributions addressing data gaps in the aforementioned subjects are welcome.

Guest Editors

Dr. Leticia Diez-Quijada Jiménez

Area of Toxicology, Faculty of Pharmacy, Universidad de Sevilla, 41012 Seville, Spain

Dr. Remedios Guzmán-Guillén

Area of Toxicology, Faculty of Pharmacy, Universidad de Sevilla, C/ Profesor García González 2, 41012 Seville, Spain

Deadline for manuscript submissions

closed (15 June 2023)

Toxins

an Open Access Journal by MDPI

Impact Factor 4.0
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/143361

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

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

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).

MDPI