



toxins



an Open Access Journal by MDPI

Evaluation of Cytotoxicity and Cytoprotection. Effects of Natural Toxins

Guest Editor:

Dr. Ana Juan-García

Department of Preventive
Medicine and Public Health,
Food Sciences, Forensic Medicine
and Toxicology, University of
Valencia | UV, E-46100 Valencia,
Spain

Deadline for manuscript
submissions:

closed (30 November 2021)

Message from the Guest Editor

The lifestyle associated with good quality of food is well known for its widely recognized health benefits, especially when rich in bioactive compounds. Reduced risks of some types of cancer and other diseases have been associated with the adoption of such a diet, as have increased antioxidants, inhibitors of lipid peroxidation, decrease of pro-inflammatory cytokine production, etc. Their classification is very wide, including lycopenes, carotenoids, and polyphenols (flavonoids and non-flavonoids). Nevertheless, the presence of natural toxins in food usually happens due to a lack in harvesting, storage or packaging, or climate changes and atmospheric conditions. Such toxins can have different origins, as from plants, fungi, algae, bacteria, marine biotoxins including mycotoxins, lectins, furocoumarins, shiga toxin, ciguatoxins, etc. Studies at the cellular level attributed to natural toxins precede those toxins detected in organs and systems. Evaluation of the effects of natural toxins and biologically active compounds of extracts from the plant kingdom constitute a potential to combat various diseases thanks to its rich content.



mdpi.com/si/55320

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Jay Fox

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

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.

Author Benefits

Open Access: free for readers, with **article processing charges (APC)** paid by authors or their institutions.

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*)

Contact Us

Toxins Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/toxins
toxins@mdpi.com
[X@Toxins_Mdpi](https://twitter.com/Toxins_Mdpi)