Special Issue

Evaluation of Cytotoxicity and Cytoprotection. Effects of Natural Toxins

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.

Guest Editor

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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/55320

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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

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