



Natural Toxins from Plant and Food

Guest Editor:

Prof. Dr. Benito Soto-Blanco

Departamento de Clínica e
Cirurgia Veterinárias, Escola de
Veterinária, Universidade Federal
de Minas Gerais, Belo Horizonte,
Brazil

Deadline for manuscript
submissions:

closed (30 September 2022)

Message from the Guest Editor

Dear Colleagues,

Toxins are secondary metabolites produced by plants, molds, mushrooms, algae, and bacteria that may impair human and animal health.

Numerous plant species are responsible for the poisoning of humans and animals. Mycotoxins are produced by several mold species on numerous foodstuffs such as cereals, nuts, dried fruits, and spices. Mushroom poisonings are caused by the consumption of toxic wild mushrooms, usually misidentified as edible species. Clinical signs of the poisoning are variable depending on the toxin, varying from gastrointestinal irritation to death. The contamination of food by bacterial toxins is a frequent cause of poisoning.

This Special Issue aims at collecting original articles and reviews dealing with the occurrence and prevalence, health impacts, mechanisms of toxicity, interactions with other toxicants and/or nutrients, analytical methods for identification and quantification, and strategies to minimize the impact of natural toxins.

Prof. Dr. Benito Soto-Blanco

Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (Chemistry, Multidisciplinary) / CiteScore - Q1 (Chemistry (miscellaneous))

Contact Us

Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](#)