Special Issue

Food Toxicity: Mechanism, Analysis and Disease

Message from the Guest Editor

The present Special Issue is expected to gather original research findings and review articles dealing with the mechanisms and modes of action of chemicals and other constituents of food. Innovative methodological works and new insights from investigating the action of food constituents, from a molecular/chemical standpoint and either individually or within mixtures, fall within the scope of this Special Issue. Also welcome are works dealing with the crosstalk between chemical and microbiological risk assessment—referred to as the potential effects of chemicals in food on the behavior of foodborne pathogens—from a molecular perspective.

Keywords bioactives xenobiotics molecular initiating event toxins food constituents mechanism of action

Guest Editor

Dr. Luca Dellafiora

Department of Food and Drug, University of Parma, 43124 Parma, Italy

Deadline for manuscript submissions

closed (31 December 2021)



Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



mdpi.com/si/48489

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

mdpi.com/journal/applsci





Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multidimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

