Special Issue

Mechanisms of Toxicity of Chemical Compounds and Natural Compounds

Message from the Guest Editor

This Special Issue is dedicated to acute or chronic toxicity studies based on standardized protocols such as those of the OECD, which address the toxic effects of both chemical and natural substances using in vivo and in vitro models, mainly through experimental testing. It includes research focused on the characterization of acute or chronic cytotoxic, genotoxic, hepatotoxic, and neurotoxic effects, among others, as well as mechanistic studies exploring molecular pathways. oxidative stress, mitochondrial dysfunction, inflammation, and programmed cell death. Contributions related to new toxicological assessment methodologies, biomarkers of exposure and toxicity, and alternative strategies to animal experimentation are also valued. This Special Issue aims to provide a platform for the exchange of knowledge between scientists, regulatory and legislative agencies, and health professionals, promoting a better understanding of the toxicological and safety impact of the different compounds to which all species of toxicological interest are constantly exposed.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

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