

Special Issue

Recent Research into Oxidative Stress and Toxicity of Chemicals and Medicinal Plants

Message from the Guest Editors

Although the use of plants for medicinal purposes is as old as the history of humanity, we have not yet been able to systematically evaluate the potential uses of our planet's biodiversity to identify its numerous applications for improving the quality of life. There is limited scientific knowledge about several species with medicinal purposes and even less knowledge about their mechanisms of action and, especially, about the potential toxic effects of their use. Thus, this Special Issue is intended to present innovative research on the use of new medicinal plants and the involvement of oxidative stress in the underlying mechanisms of toxicity induced by chemicals or medicinal plants. We invite submissions that cover, but are not limited to, the following topics:

- New plants with medicinal potential;
- Mechanisms of action of medicinal plants, mainly involving antioxidants or oxidative stress;
- Therapeutic use of synthetic chemicals derived from plants or substances isolated from plants;
- Acute, semi-chronic, or chronic toxicity studies of medicinal plants, synthetic chemical substances derived from plants, or substances isolated from plants.

Guest Editors

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Deadline for manuscript submissions

closed (27 February 2025)



Toxics

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2025).