

Special Issue

Environmental Toxicants in Human Health: Oxidative Stress, Metabolism and Toxicity

Message from the Guest Editors

The focus of the Special Issue is on direct toxicant effects on immune cells leading to pathology due to loss of immunohomeostasis from disbalance of immune effector and regulatory immune cells, in addition to the indirect effects of toxicants causing dysbiosis and/or cell damage on non-immune cells causing loss of immunohomeostasis. Loss of immune homeostasis may lead to excessive inflammation and oxidative stress as well as autoantibodies and autoreactive cytolytic T cells, but less responsiveness to cancers and senescent cells. The Special Issue will also cover developmental and aging aspects of toxicants on immunity including involvement of ion fluxes, protein translation and aggravation, and intracellular and extracellular modulations. Multi-omic technologies useful for systemic modulations will be included such as single-cell proteomics and transcriptomics.

Guest Editors

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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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Rapid Publication:

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).