

Special Issue

Recent Advances in the Effects of Chemical and Non-Chemical Exposures on the Kidney

Message from the Guest Editors

Environmental chemicals and non-chemical stressors, including heat stress, cause deteriorating kidney health. This Special Issue aims to enhance our understanding of the cumulative risk factors that influence kidney function and diseases throughout a person's life. A growing list of environmental chemicals pose significant challenges to kidney health, including toxic and essential trace elements, per- and polyfluorinated alkyl substances (PFAS), pesticides, persistent organic pollutants (POPs), nano-plastics, and other nano- or micro-particles. Additional converging factors play pivotal roles in promoting kidney disease and dysfunction, such as heat stress, humidity, adverse birth outcomes (such as a low birth weight and preterm birth), pregnancy-related conditions, like hypertensive disorders and diabetes, as well as social determinants of health. The Special Issue will encompass a wide range of research articles, including basic science, translational, and epidemiological studies. With this collection of studies, we aim to shed light on recent advancements in the field of environmental kidney health.

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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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).