



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

Guest Editors:

Dr. Alison P. Sanders

Department of Environmental
and Occupational Health,
University of Pittsburgh,
Pittsburgh, PA, USA

Dr. Firoz Abdoel Wahid

School of Public Health,
Department of Environmental
and Occupational Health,
University of Pittsburgh,
Pittsburgh, PA, USA

Dr. John Danziger

Beth Israel Deaconess Medical
Center, Harvard Medical School,
Boston, MA, USA

Deadline for manuscript
submissions:

25 October 2024

Message from the Guest Editors

Dear Colleagues,

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.





toxics



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Demetrio Raldúa

Department Environmental
Chemistry, IDAEA-CSIC, Jordi
Girona 18, 08034 Barcelona,
Spain

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [Embase](#), [CAPlus / SciFinder](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q1 (*Toxicology*) / CiteScore - Q2 (*Chemical Health and Safety*)

Contact Us

Toxics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/toxics
toxics@mdpi.com
X@Toxics_MDPI