

Special Issue

Endocrine Disruptors and Persistent Organic Pollutants: Their Impact on the Environment and Human Health

Message from the Guest Editors

Endocrine disruptors (EDCs) and persistent organic pollutants (POPs) are environmental contaminants that persist in ecosystems and bioaccumulate through food chains. EDCs disrupt hormone functions, leading to reproductive and developmental disorders, cardiovascular diseases, and cancer. POPs are linked to diabetes, cancer, neurodevelopmental issues, and reproductive disorders. Key EDCs include BPA, phthalates, parabens, triclosan, and PFAS, which are found in personal care products and plastics. Key POPs include organochlorine pesticides (OCPs) and polybrominated diphenyl ethers (PBDEs), which are used as flame retardants. Human exposure to these substances occurs through environmental contact, food, and product use, primarily via inhalation, skin contact, and ingestion. Persistent EDCs like PFAS accumulate in the blood, requiring repeated measurements to be taken during pregnancy and early childhood. Research and review articles are needed to support the regulatory efforts essential to mitigate the environmental and health impacts of EDCs and POPs. Understanding their mechanisms of action and long-term effects is crucial for developing effective protection strategies.

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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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