

Special Issue

Persistent Organic Pollutants and Ecotoxicology in the Aquatic Environments

Message from the Guest Editors

Persistent Organic Pollutants (POPs) represent a class of toxic chemicals that resist degradation, bioaccumulate in aquatic food webs, and pose significant risks to environmental and human health. These compounds, including polychlorinated biphenyls (PCBs), dioxins, pesticides, polybrominated diphenyl ethers (PBDEs), polycyclic aromatic hydrocarbons (PAHs), organochlorine pesticides, new emerging compounds such as per- and polyfluoroalkyl substances (PFAS), and pseudo POPs such as organophosphate esters (OPEs) among others, are globally distributed and often detected in sediments, biota, and water, even in remote marine ecosystems. Their persistence and lipophilicity enable trophic transfer and long-term exposure, particularly in aquatic environments.

This Special Issue aims to highlight current advances in the ecotoxicological assessment of POPs in aquatic environments. We encourage original research and reviews addressing emerging POPs, mixtures, interactive stressors, and their implications for One Health and ecosystem resilience are especially welcome.

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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