Special Issue

PFAS, Plastic Mulch Film, and Heavy Metal: Environmental Fate, Biological Toxicity and Innovative Remediation Technologies

Message from the Guest Editors

PFAS and plastic mulch film pose escalating threats to global ecosystems due to their persistence, bioaccumulation, and endocrine-disrupting effects. Recent studies have revealed their ubiquitous presence from terrestrial soils to marine environments. They have also been shown to accumulate in wildlife and human tissues, leading to adverse health effects. To address the environmental contamination issues associated with these pollutants, it is essential to understand their environmental behavior and fate and promote pollution control technologies for them with the aim of reducing the risks that they pose to ecosystems. This Special Issue will serve as a platform on which researchers, scientists, and practitioners can share the latest findings, innovative ideas, and practical solutions related to the environmental fate and biological effects of these emerging pollutants, alongside innovative microbial remediation technologies with which to address them. General domains of interest include

- Transport transformation and environmental fate of PFAS and mulch film;
- Assessments of ecological risk and biological toxicity;
- Innovative remediation technologies.

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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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