



Integrative Studies on Environmental Toxicity, Bioaccumulation and Remediation Strategies for Hazardous Substances

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Message from the Guest Editors

Dear Colleagues,

Environmental toxicity and bioaccumulation represent critical areas of study in understanding the pervasive impacts of toxic substances on both human health and ecological systems. Our Special Issue delves into the multifaceted nature of toxic substance exposure, focusing on the pathways, mechanisms, and long-term effects of bioaccumulation in various environmental matrices. This Special Issue also aims to explore the intersection of environmental toxicity with public health, emphasizing the need for integrated approaches to mitigate adverse outcomes. Areas of interest include the following:

- Biomagnification and persistence of organic pollutants (POPs);
- Dynamics and impact of emerging contaminants;
- Synergistic effects of chemical mixtures;
- Advanced analytical methodologies for toxicity assessment;
- Innovative risk assessment and regulatory strategies;
- Intersection of environmental toxicity and public health outcomes;
- Innovative remediation strategies;
- Microbial degradation of emerging contaminants.

