



Research in Emerging Contaminants: Impact and Solutions

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Message from the Guest Editors

It is necessary to explore the biological response of environmental contaminants and provide the theoretical basis for preventing and reducing environmental contaminations. It is conducive to the rational control of environmental contamination and solving environmental problems gradually if we can master the migration and transformation of contaminants in environmental media through in-depth research. This special issue aims to evaluate the potential risks of emerging contaminants (microplastics, nanomaterials, persistent organic pollutants, pesticides, and other emerging compounds) to the distinctive ecological environment, biota, and human health. On this basis, after exploring the interactions among various contaminants, bioavailability, ecotoxicology, and biodiversity, the establishment of a biogeochemical cycle model of environmental contaminants and risk assessment through biological response mechanism can promote the effective control of contaminants. It is committed to solving the mechanism of the pollution process and effect, related technologies, and methods, and then offers great support to the control of environmental pollution and their potential risk assessment.





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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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