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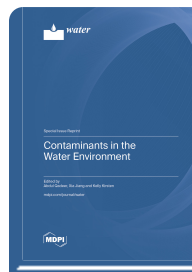
Contaminants in the Water Environment

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This Reprint compiles recent research exploring a broad range of contaminants in water environments. It highlights studies conducted across diverse aquatic systems such as rivers, lakes, reservoirs, and groundwater. The articles employ advanced analytical tools and modeling techniques to assess contaminant sources, transport mechanisms, and ecological risks. This collection includes case studies from across the world, including Indonesia, Egypt, and the United States, offering both local and global perspectives. A special focus is granted to the roles of land use, climate variability, and human activity in influencing water quality. Several contributions focus on pollution load estimation, wastewater surveillance, and water–wastewater network optimization. Collectively, this Reprint advances the understanding of environmental behavior and the public health implications of water pollutants. It offers a valuable reference for scientists, engineers, and decision-makers in environmental and water resource management.

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