

# Heavy Metal Pollution in Water and its Toxicity

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## Keywords:

### Inroduction

Heavy metal pollution in water is a global environmental problem. It is caused by various sources such as industrial activities, mining, and urban runoff. Heavy metals like lead, mercury, and cadmium are highly toxic and can cause severe health effects in humans and animals. The contamination of water resources is a major concern for public health and the environment. This article discusses the sources, pathways, and health impacts of heavy metal pollution in water.

The heavy metal pollution in water is a serious environmental issue. It is caused by various sources such as industrial activities, mining, and urban runoff. Heavy metals like lead, mercury, and cadmium are highly toxic and can cause severe health effects in humans and animals. The contamination of water resources is a major concern for public health and the environment. This article discusses the sources, pathways, and health impacts of heavy metal pollution in water.

### Heavy Metals Contamination and Toxicity in Soil Ecosystem

Heavy metal pollution in soil is a significant environmental problem. It is caused by various sources such as industrial activities, mining, and urban runoff. Heavy metals like lead, mercury, and cadmium are highly toxic and can cause severe health effects in humans and animals. The contamination of soil resources is a major concern for public health and the environment. This article discusses the sources, pathways, and health impacts of heavy metal pollution in soil.

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industrial development, urban development, E-Waste, wastewater irrigation, and sewage industrial problem with water quality. When compared to national and international organizations like USEPA, the quantities found were higher above the maximum permissible and recommended limits. The health impacts of heavy metal pollution, such as neurotoxicity, kidney damage, many malignancies, liver damage, lung damage, and mortality have all been related to chronic and acute exposure to heavy metals. The impacts on human health are discussed in this article.

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